CHRISI ORGANISERS KNOWLEDGE 凥 **(1)**

#CtKCares







SELF-QUIZZING

Why should I self-quiz?

memory. Everybody's working-memory is limited, and therefore it can very Your mind is split into two parts: the working-memory and the long-term effectively limitless. easily become overwhelmed. Your long-term memory, on the other hand, is

in long term memory. These facts and processes can then be retrieved to You can support your working memory by storing key facts and processes stop your working memory becoming overloaded.

to help you master your subject and be successful in lessons. knowledge organiser has the key information that needs to be memorised This booklet contains knowledge organisers for all of your subjects. Each

How often should I self-quiz?

work with it more than once! There are many different ways to learn the order to learn the information in your knowledge organiser, you will need to Research shows that regular testing improves knowledge retention; in material in your knowledge organiser.

How to use my Knowledge Organiser

organiser, and try to write out as much as you can from memory. Check the any missing information in your green pen. knowledge organiser to see if you are right; correct any mistakes and fill in Cover - Write - Check: Cover up one section of the knowledge

were some parts you struggled with. include content from the previous week's homework - especially if there Repeat this process at least twice to fill your page. You could also

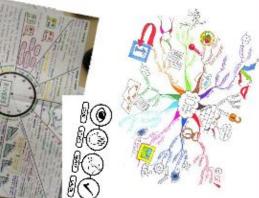
- the knowledge organiser. Check accuracy, correct in green pen and then 2. Draw a mind map, jotting down everything that you can remember from
- clock face into 10 minute sections. Add notes from the knowledge organiser 3. Revision clock - draw a clock and add the topic in the middle. Break the in each section. Cover the clock and recite the information aloud.
- double sided with a question on one side and the answer on the other. Alternatively, a keyword on one side and a definition o Use your knowledge organisers to create flashcards. These could be



Did you know

Research shows students remember solow more when they test themselves after learning something







HOMEWORK SCHEDULE

You should complete at least one hour of Home Learning per school day.

This will consist of:

- Knowledge Organiser and Online Learning as directed by your teachers
- Knowledge Organiser timetable below. If you have no tasks set, carry out Knowledge Organiser activities as per the
- Two periods of 20 minutes reading each week

Subject 3	Subject 2	Subject 1	20 Minutes Per Subject	
PE	RE	English	Monday	
History	Music	Science	Tuesday	We
Technology	RE	Maths (MyMaths)	Tuesday Wednesday Thursday	Week 1
MFL	Science	Maths	Thursday	
Art	Geography	English	Friday	

Subject 3 PE	Subject 2 RE	Subject 1 Science	20 Minutes Per Monday Subject	
	3.15	1Ce	lay	
History	Music	English	Tuesday	vve
Technology	ICT	RE	Tuesday Wednesday Thursda	Week 2
MFL	Drama	Maths (MyMaths)	Thursday	
Art	Geography	S cience	Friday	

Read 20 minutes a day and you'll read 1,800,000 words per year.

READING FOR
6 MINUTES A DAY
REDUCES STRESS
BY 68%.

Children learn
4,000 to 12,000
words per year
through reading.



WHAT ARE THE HOMEWORK **EXPECTATIONS?**

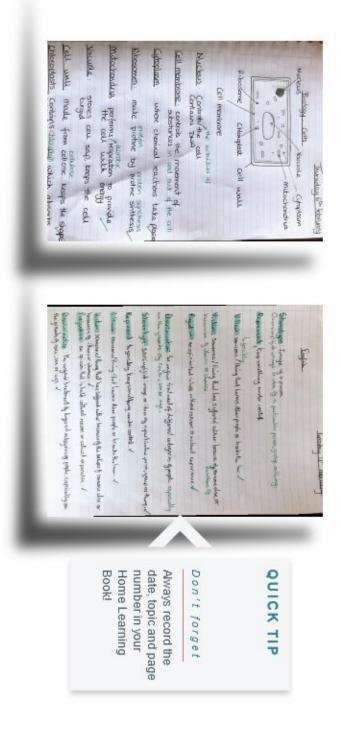
Each homework must meet the following 5 requirements:

- 1. Write the complete title and date in full eg. Tuesday 9th September 2017 on each page, underlined
- 2. You should include a minimum of words to summarise the topic. Do not copy the words from the
- 3. Make full use of the page for each topic by scaling your notes & images appropriately to use of all the space.
- 4. You must include diagrams, sketches or cartoon doodles to visually represent the topic, try to use humour.
- 5. Highlight key words and phrases, using underline, highlighter pens. Explain technical terms

HOW SHOULD I PRESENT MY WORK?

ruler and you should present your work as neatly as you are able to. work: dates and titles (which should be the name of the subject) need to be underlined with a Please remember that the same rules apply to the presentation of your homework as apply for your class

If you are self-quizzing correctly, there should be evidence of green pen on your page. Here are some examples of how to set out your work:



Formal Elements

A. Key Terms

Formal Elements

The parts used to make a piece of artwork

Line

Line is the path left by a moving point. For example, a pencil or a brush dipped in paint. A line can be horizontal, diagonal or curved and can also change length.

Shape

A shape is an area enclosed by a line. It could be just an outline or it could be shaded in. Shapes can be geometric or irregular.

Form

Form is a three dimensional shape, such as a cube, sphere or cone. Sculpture and 3D design are about creating forms.

Tone

This refers to the lightness or darkness of something. This could be a shade or how dark or light a colour appears. Tones are created by the way light falls on a 3D object. The parts of the object on which the light is strongest are called highlights and the darker areas are called shadows

Texture

This is to do with the surface quality of something, the way something feels or looks like it feels. There are two types of texture: Actual texture really exists, so you can feel it or touch it; Visual texture is created using marks to represent actual texture.

Pattern

A design that is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a motif. Motifs can be simple shapes or complex arrangements.

Colour

Red, yellow and blue are primary colours, which means they can't be mixed using any other colours. In theory, all other colours can be mixed from these three colours.

G. Wider Thinking

Youtube - How to Shade Basic Forms www.artcyclopedia.com

D. Stretch and Challenge

- · Keep it light until it's right don't press down hard when drawing.
- · What formal elements can you see in the painting by Hokusai?

B. Colour Theory



This is called a Colour Wheel.

Primary	Secondary
red + yellow	=orange
red + blue	=purple
blue + yellow	=green

- Tertiary colours are created by mixing a primary colour and the secondary colour next to it on the colour wheel.
- Colours that are next to each other on the colour wheel are called harmonious
- · Complementary colours are colours that are opposite each other on the colour wheel. When complementary colours are used together they create contrast. Adding a colour's complimentary colour will usually make a darker shade. This is often preferable to
- Warm colours are colours on the red side of the wheel. These are red and include orange, yellow and browns.
- Cool colours are colours on the blue side of the wheel. These are blue and include green, purple and most

F. Expert modelling example



C. Composition

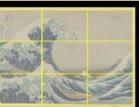
The term composition means 'putting together,' and can apply to any work of art or photography, that is arranged or put together using conscious thought. There are numerous approaches or "compositional techniques" to achieving a sense of unity within an artwork, depending on the goals of the artist.

For example, a work of art is said to be aesthetically pleasing to the eye if the elements within the work are arranged in a balanced compositional way. However, there are artists such as Salvador Dali whose sole aim is to disrupt traditional composition and challenge the viewer to rethink balance and design elements within art works.

Rule of thirds

The rule of thirds is a guideline followed by some visual artists. The objective is to stop the subject and areas of interest from bisecting the image, by placing them near one of the lines that would divide the image into three equal columns and rows, ideally near the intersection of those lines





Painting: Great Wave off Kanagawa, by Hokusai

E. Existing similar examples





DRAMA KEYWORDS

RESPECT

Paying attention to and being positive about other people's contributions.

No one is more or less important than anyone else.

ACTING

Using physical and vocal skills to show someone other than yourself.

EFFORT

How hard you work to give everything your best shot. You don't have to get everything right but you do need to try your best.

Drama Technique CHARACTERISATION

Using vocal and physical skills to show character

STAYING IN ROLE

Staying focused on the part that you play the whole way through a performance.

FOCUS

Your ability to concentrate and not be distracted (especially important during a game, rehearsal or performance).

TEAMWORK

Working with a group of people to achieve a goal.

Drama Technique FREEZE FRAME

A character tells the audience what the character is thinking

Drama Technique THOUGHT TRACKING

A character tells the audience what the character is thinking

Y7 Drama

THEATRE KEYWORDS

- ☐ Theatre Maker
- ☐ Actor

Studio skills: Drama

Expectations

- Stage Positions
- Proscenium Arch
- ☐ In The Round
- Thrust
- ☐ Set
- Naturalism

Baseline Autumn 1

Self-Reflection

What did I do well today?

What do I need to improve?

Who am I?

Do I participate?

Do Misten?

Can I stay focussed on

the task?

Can I cooperate in the studio?

In the first term of Drama, your teacher will be looking for...

- Cooperation
- Concentration
- Control
- Communication
- Confidence
- Focus on task
- Teamwork/Group skills
- Listening



Vocal Keywords

Accent to show an audience where a character is from; can also show emphasis in a word

Clarity you apply a clear speaking voice so the audience can hear vou

Projection the strength of speaking whereby the voice is used loudly and clearly so an audience can hear vou.

Physical Keywords

Movement how we change our bodies to walk in character, Movement is important to show we are actors (not just reading a script)

Body language changing your body to show character

Posture the way a character stands and holds their body

Bodv language is...

used movement when...

has feeling

Cross cutting is...

Performance Keywords

Audience

audience

Movement

Add movement

including

gesture and

facial

expression

CHALLENGE

To learn all

your lines

and be 'off

script' when

performing

Expression facial expression to

show a character's true feelings;

vocal expression to ensure voice

Projection Use a loud **Awareness** and clear No backs to voice so you can be heard

> Space Use all your space to make sure you tell the story

> > Drama Technique **Thought Tracking**

A character tells the audience what the character is thinking

Retrieval Tasks

Drama Technique

Freeze Frame

A moment of

enhance a scene

Drama Technique

Cross cutting (or

show two scenes

happening at once

split scene) to

stillness to

1. to complete the thought clouds with definitions/exampl

2. Revise the skills and definitions

3. Learn your lines

Cowboy

Creating Skills

- ☐ Change your body language
- Practicing an accent
- Apply posture Apply gesture
- ☐ Facial expression

Cowboy Rehearsal Skills

- Group skills
- ☐ Teamwork ■ Listening
- Practice lines

Y7 Drama Cowboys Autumn

Self-Reflection

What did I do well?

What do I need to improve?

Who am I?

- Do I participate?
 - Do l'listen?
- Can I stay focussed
- in rehearsal?
- Can I cooperate in the studio?

In this topic, you will be assessed on:

- Characterisation
- Vocal skills
- Accent

Cowboy Performance Skills

- ☐ Accent
- ☐ Use of space
- Gesture
- Projection
- Off script
- Staying in role



Teacher observation:

- Effort
- Focus
- Respect
- Support for others

Y7 Non-Fiction Reading and Writing



- When we read a text we make ASSUMPTIONS based upon what we read, this is called INFERENCE. Inference is an important part of reading because it is the way that we can determine what the writer thinks more deeply.
- Non-Fiction texts are based upon facts and real-life events.
- · Some examples of Non-Fiction texts are:

Newspaper Autobiography Advert Biography Letter Review Advert Leaflet Instruction manual

Purpose

Non-fiction texts can have different purposes including:

Persuade - convince the reader to believe something

Inform - teach the reader new information about a topic

Explain - tell the reader how to do something or how it works

We change the language we use depending upon the purpose of the text.

Persuasive Language techniques

Direct Address - uses 'you' to speak to the reader directly

Metaphor

describing something as something else with similar qualities

Oxymoron

- two adjacent words which are opposites

Hyperbole

exaggerated statements not meant to be taken literally

Simile

- compares two things using 'like' or 'as'

Exaggeration

 representing something as better or worse than it actually is

Adjective

describes a person, place or thing

Rhetorical Question

 a guestion which requires no answer

Emotive language words chosen to evoke an emotional response

Facts and Statistics

point, can be % Irony

- say the opposite of what you mean in order to be humorous

real evidence used to prove a

Compare - state the similarities and differences between the language and meaning of two texts

Writing a comparison

When we are comparing two texts, we need to use the following vocabulary to show similarities/ differences:

Similarly

Whereas

Both

Business Letter Layout Example

Business letters should always begin with "Dear" unless you use the salutations "To Whom It May Concern.

Acceptable closing to use include: "Sincerely," Sincerely yours, "Best Regards," "Thank you, "Thank you fir your consideration," "Respect fully," and "Very Respect fully,"

Use white bond pape

of decent weight.

Salutations

emojis, or text-speak Use plain font.

Persuasive Structural features

To write an effective argument we can use: Repetition - repeat words or phrases

Counterargument - acknowledge the other side to an argument

Short sentences - add impact

In contrast Autobiography

 writing about real events of your

Biography -

writing about real events of someone else's life

How to write about non-fiction:

The writer makes us think that... Point

For example, One quote to show this is...

This is an example of the writer using a...

This suggests/shows/implies/connotes/indicates/ Evokes to the reader... This is used to show that... The connotations of this are.. This links to ... Relate At the time that the text was written,

Summarise — state the key points of what has been read

Viewpoint - how different people/writers see a situation/topic





Overview of the Victorian Era

Victorian Era – this is the period of Queen Victoria's reign, from 1837 until her death in 1901. The 1800s was a period of rapid industrial development throughout Britain. It was characterized by the growth of factories, and the mass production of manufactured goods. There were many changes to how people lived because the population of England doubled between 1800 and 1850. Cities grew as people moved from the countryside to find work.

Living Conditions of the Poor

Previously, the rich and poor had lived in the same districts: the rich in the main streets; the poor in the service streets behind. Now, wealthier people moved out of town centres to the new **suburbs** – leaving the poor housed in the city centre. Much of the housing for the poor was demolished in order to make factories. Thus many of the poor were forced to live on the street and in **slums**.

Key vocabulary for the Victorian Era

Christmas Carol (published 1843)

Dickens (1812 - 1870)

exploitation (in particular child labour)

Industrial Revolution (countryside / cities / suburbs / factories / poverty / slums)

Malthus

Victorian Era (1837 - 1901)

workhouses (Poor Law / Poor Law Amendment)

working class / middle class / upper class

Key skills: understanding context

The **context** of a text is information such as: **where** and **when** it was written, **who** it was written by, and **what** was happening at the time (politically and socially), when it was **published**. All of these influence the **writer's purpose** and the **effect** it has on its audience. In order to understand a text it helps to understand something about the time s/he was writing.

Charles Dickens

Charles Dickens (1812 – 1870) wrote 15 novels as well as short stories, essays, and articles. In Year 10 you will study A Christmas Carol which Dickens wrote in response to British social attitudes towards poverty, particularly child poverty. Although Charles Dickens is best described as middle class, he was sympathetic to the suffering of the poor (working class), perhaps because he had some insight into their working conditions. When he was 12, he was sent to work in a factory because his father had been imprisoned for not paying a debt.

Additional information

Programme about Workhouses and Children's Homes in Victorian Britain (lesson 6)

https://www.bbc.co.uk/programmes/p011t0t5

Interview with Jacqueline Wilson and the creators of the CBBC series 'Hetty Feather' (lesson 5)

https://foundlingmuseum.org.uk/events/picturing-hetty-feather/

More information about Charles Dickens

https://www.charlesdickensinfo.com/

Y7 The Victorians & Christmas Carol Knowledge Organiser

Point	The writer makes us think that	
vidence	For <u>example</u>	9
echnique	This is an example of the writer using a	
xplain	This is used to show that	』 】
ffect	The effect on the reader is	
Relate	I think the writer was trying to mak	e the reader feel

Make a Point

Sum up the main answer to the question in one full sentence. <u>Use Evidence to support</u> your point.

Can you identify any <u>Techniques</u> that the writer has used? <u>Explain</u> why you selected that quotation – <u>what's</u> the <u>Effect</u> on the reader?

Can you <u>Relate</u> your ideas to historical knowledge?





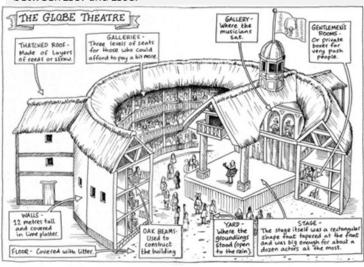
Theatre in the Elizabethan/Jacobean period

At the beginning of the 16th century many plays were based upon religious themes. These were called 'morality plays' and showed good and bad conduct. Others, called 'miracle plays' showed scenes from the Bible.

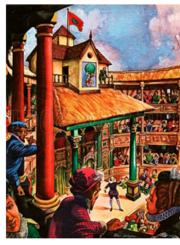
The main exception to this were the plays put on by wandering groups of actors, known as 'strolling players'. The plays put on by these groups were often far from religious and the authorities tried to ban them.

The themes of plays changed during Elizabeth's reign and English playwrights began to write comedies and tragedies. By the end of her reign playwrights such as Marlowe, Johnson and Shakespeare were writing the plays for which they are now famous.

As the watching of plays became more popular, theatres were built instead of using the courtyards of inns. The popularity of stage plays led to the building of the Rose, Swan and Globe Theatres in London between 1587 and 1598.



Year 7 English Shakespeare's Context (in preparation for the study of Macbeth)



The main features and popularity of the Elizabethan/Jacobean theatre

- . The theatre was open and plays had to be performed in daylight.
- A flag would be flown from the top of the theatre to show a play was going to be performed.
- People sat around the stage in galleries.
- The cheapest place was in front of the stage where ordinary peoplestood. They were known as 'groundlings'.
- There was very little scenery a character would tell the audience where the scene
 was set.
- · Women's parts were played by boys.
- · Long speeches gave actors a chance to change their clothes.
- There was generally plenty of violence in the plays Tudor audiences loved it.
- Many enjoyed going to the theatre as it provided good entertainment, an escape from their everyday lives and the chance to socialise and catch up on the latest news.
- Many nobles attended the theatre and the showing of a new play became a social event.
- Puritans disapproved of the non-religious nature of the plays which could lead to bad habits and behaviour. They believed it kept people from going to church.
- The authorities were unhappy because they believed it encouraged people to miss work and be idle, they also felt that theatres were ideal places for thieves and vagabonds to operate and where plague and other infectious diseases could spread.

Topic	Macbeth - Detailed Contextual Information
1) First Performance	Macbeth was first performed in 1606, likely with King James I in the audience. Shakespeare may have wanted to please the King through his play's representation of the dangers of challenging monarchy.
2) Historical Inspiration	The play's characters were inspired by historical sources. The real Macbeth ruled Scotland in the 11th century after killing King Duncan but many other facts were changed considerably. James I also claimed to believe that he was a descendant of Banquo and Fleance.
3) Divine Right of Kings	James I promoted the concept of the divine right of kings throughout his reign: the monarch is appointed by God and, therefore, any opposition to him is sacrilegious. In a speech before Parliament James I argued 'Kings are justly called gods.' (1609)
4) Gunpowder Plot	The Gunpowder Plot in 1605 involved Catholics attempting to blow up Parliament and the royal family. Robert Catesby's involvement shocked King James, who had considered Catesby to be one of his most loyal noblemen. Scholars have speculated that the play's characterisation of Macbeth may have been partly modelled on him.
5) Supernatural	Belief in the the supernatural was far more prevalent than it is today. King James I wrote a book on the subject - 'Daemonologie' (1596) - in which he called witches 'detestable slaves of the Devill' and confidently asserted that 'such assaultes of Sathan are most certainly practized'.
6) Gender Roles	Jacobean society was highly patriarchal. Women were typically regarded as emotionally and intellectually weaker than men, needing a husband to look after them. The man was considered to be the head of a marriage and his family.
7) Religious Belief	In the previous century the state religion had changed between Mary, Queen of Scots and Elizabeth I. Under James I as both King and Head of the Church, the country remained strictly Protestant. The Jacobean public was generally god-fearing, interpreting religious concepts such as heaven and hell literally. James I also commissioned a new English translation of the Bible in 1604 which is still read to this day.

EAR 7 FRENCH - BONJOUR!

BONJOUR!

	Ça va très bien I'm very well	Ça va I'm ok	
מהם ביות			t(e)
ne ci,	ne ci, ne ça	,	t(e)
ne ci, ne ça	ne ci, ne ça mal	u (t(e)
ne ci, ne ça mal	ne ci, ne ça mal		
ne ci, ne ça mal	ne ci, ne ça mal		
ne ci, 1e ça mal mal	ne ci, ne ça mal mal s s	ci, ça al	

'Quelle est la date de ton anniversaire?"

septembre

octobre

novembre

décembre

6 – **six**

5 – cinq 4 – quatre 3 – trois

8 – huit 7 – sept mai

iuin

juillet

août

janvier

février

mars

avril

2 – deux

-E

B. LES MOIS

Mon anniversaire c'est le (number) + (month)

11 – onze

10 – **dix** 9 – neuf

E.g. Mon anniversaire c'est le sept juin.

14 – quatorze 13 – treize 12 – douze

17 – dix-sept 16 – seize 15 – quinze

C. OÙ HABITES-TU?	
'habite à	I live in (town / city)
habite en France	I live in France
en Angleterre	In England
en Écosse	In Scotland
en Espagne	In Spain
en Italie	In Italy
en Allemagne	In Germany
en Australie	In Australia
au pays de galles	In Wales

50 — cinquante

40 – quarante

70 — soixante-dix 60 – soixante 30 - trente

20 **– vingt** 19 – dix-neuf 18 – dix-huit



90 - quatre-80 – quatre-vingt

vingt- dix

Quel âge as-tu? How old are you? J'ai I have years old ans

Oui, j'ai un chien	Yes I have a dog
J'ai un chat	I have a cat
J'ai un lapin	I have a rabbit
J'ai un hamster	I have a hamster
J'ai un cochon d'inde	I have a guinea-pig
J'ai une souris	I have a mouse
J'ai une araignée	I have a spider
Non je n'ai pas d'animal	No I don't have a pet

aux etats-unis

In the USA

_						_			
٦	>	lls sont	C'est	Je déteste	Je n'aime pas	Je préfère	J'aime	J'adore	
4		They are	It is		pas				E. LES O
affreux	ennuyeux	génial	super	I hate	I don't like	l prefer	l like	I love	E. LES OPINIONS
awful	boring	great	super						

YEAR 7 FRENCH

They are	lls sont	They have	lls ont	however	cependant	or	ou
you are	Vous êtes	You have	Vous avez	because	parce que	but p a	mais
we are	Nous sommes	We have	Nous avons	because		and car	e >
She is	Elle est	She has	Ellea		Connectives		
He is	ll est	He has	= 0	D.	My friend	<u>.</u>	
You are	Tu es	You have	Tu as	Isins	My cousins	cousins	Mes
l am	Je suis	l have	J'ai	7	My Aunt	nte	Ma tante
o be	Être-t	to have	Avoir - to	Ë	My Uncle	oncle	Mon oncle
l am small	Je suis petit(e)		noisette	ndma	My Grandma	grand-mère	Ma gr
height		She has hazel eyes	Elle a les SI	ndad	My Grandad	grand-père	Mon 8
l am average		eyes	yeux	p/naii	sister	demi-soeur	
t?	E. Tu es comment Je suis grand(e)	You have green eyes	Tu as les Youx verts g	p/half	My step/half brother	demi- frère	Mon demi-
any hair	cheveux		bleus	ж	My Mum	ère	Ma mère
I don't have	Je n'ai pas de	I have blue	s yeux		My Dad)ère	Mon père
Red hair	Les cheveux roux	YEUX YEUX	D. Les yo		famille	B. La:	
Brown hair	Les cheveux marron		quelle coul	,	7	77	_
Black hair	Les cheveux noirs		X 50		5	2	
Bond hair	Les cheveux blonds	tes	Tes yeux et		() ()		
Curly hair	Les cheveux frisés		HER SON		an only child (f)		fille unique
Straight hair	Les cheveux raides	mes	MY mon ma		l am an only child (m)		Je suis fils unique
Short hair	Les cheveux courts		Vowel or H	called	who are ca	qui s'appellent v	qui s'
Long hair	les cheveux longs	nine Plural	Masculine Feminine Singular / Singular	led	who is called	qui s'appelle v	qui s'
- !	- ;				sister		une soeur
He / she has	II/elle a				a brother		un frère
You have	Tu as		soeurs?	Ve?	Do you have		As-tu?
I have	J'ai	et	As-tu des frères		I have		J'ai
IX V	C. LES CHEVEUX	,			SIBLINGS	A . SIB	

Qu'est-ce que tu fais pendant ton temps libre?

Pendant mon temps libre je fais beaucoup de choses.	1	In my free time, I do lots of things
Deux fois par semaine je joue aux échecs	2	Twice a week I play chess
avec mon père ce qui est difficile mais fascinant.	3	With my dad which is difficult but fascinating
J'aime bien le sport et souvent je fais au basket avec mes amis.	4	I really like sport and often I play basketball with my friends
Quand il fait beau j'aime jouer aux boules cependant	5	When the weather is good I like to play french bowls however
quand il pleut j'aime faire de la natation.	6	When is rains I like to do swimming.
Je dirais que la natation est plus fatigant que les boules.	7	I would say that swimming is more tiring than French bowls
Hier j'ai joué aux jeux-vidéos c'était cool.	8	Yesterday I played video games it was cool
Le weekend je vais aller au centre sportif ou je vais jouer au badminton, ce sera génial.	9	At the weekend I am going to go to the sports centre where I am going to play badminton, it will be great.

la plongée

diving

le patin à glace

ice skating volleyball

le volley-ball

FREE TIME

LES SPORTS

	-2	golf	le golf
		football	le foot
	3	horse riding	l'équitation
		cycling	le cyclisme
		basketball	le basket
_		badminton	le badminton
	6	athletics	l'athlétisme

faire	Jouer
_	01

REMEMBER! jouer aux cartes

ES

ACTIVITÉS

to play cards

aire	ouer
de	a),

Intensifiers

faire les magasins

to go shopping

to go shopping

to play the keyboard

to play the drums to play the trumpet

faire des courses

jouer du clavier

jouer de la batterie

jouer de la trompette

Un peu = a little Beaucoup = a lot Trop = too Assez = quite

le patinage

skating

le ping-pong

ping-pong

la natation

swimming

hockey

hockey

la gymnastique

gymnastics

Très = very

faire de l'exercice

faire de la cuisine

to cook

ALLER-ᅙ

lire

aller à la pêche

aller au club de jeunes

to go to the youth club

écouter de la musique

to listen to music

to do exercise

II/elle va

Vous allez

	5	danser 📉	dessiner
Present tens	PAST T	to dance	to draw

8

voir un film

to watch a film

to read

to go fishing

Je vais

regarder la télévision

to watch TV

Tu vas

le ski

le vélo

le tennis

tennis skiing

la voile

sailing cycling le rugby

rugby

la planche à voile

windsurfing

le skate

skateboarding

Nous allons

lls/elles vont

ENSE

e of avoir

Past participle:

D. OPINION PHRASES

re ↓

e.g. J'ai joué = I played

l prefer

E is

It would be It's true that It pleases me Present tense of aller I am going to play e.g. Je vais jouer = infinitive

I find that

It will be

It was

NEAR FUTURE TENSE

FREQUENCY PHRASES

J'aime

= e

l hate

I don't like

generally from time to time C'est		3	very evening	ī
				ing
łay		Je trouve ça		ing

jai SO de gé 18

pa qu

le/la/les trouve

I find it/them

₫

₫

<u>σ</u> σ z

LES ADJECTIFS

Bonne idée!

Good idea!

G. MAKING PLANS

ntéressant	interesting
oassionnant	exciting
narrant	funny
oien	good
oas mal	not bad
ennuyeux	boring
affreux	terrible
านไ	rubbish
chouette	brilliant
extra	great
atigant	tiring
her	expensive
parbant	boring

ar contre on the other hand	lors so	onc therefore	éanmoins nonetheless	ourtant however	ependant however	ussi also	nais but	t and	E. COMMECTIVES	
er hand			S			7	ر کی?	5	•	,
Je n al	7 10	Ca ne	Tu pla	Ça m'e	Bof,	D'acco	Je veu	Choue	2	

D'accord.

Okay.

Well/So what...

Je veux bien.

I'd like that.

Chouette!

Great!

MAKING EXCUSES

Je voudrais

I would like

e soir	this evening
e peux	l can
e ne peux pas	l can't
e dois	I have to
artir en vacances	to go on holiday
arder ma soeur	to look after my
	sister
∕laman ne me laisse	My mum won't let
as	me
le mauvaise notes	bad grades
lésolé(e)	sorry
aire les courses	to do the shopping
aire mes devoirs	to do my
	homework
oromener le chien	to walk the dog
anger ma chambre	to tidy my room
ester à la maison	to stay at home
ne laver les cheveux	to wash my hair

± ± 0

AVOIR

Ils/elles ont Nous avons Vous avez II/elle a Tu as

8 5 5 5 5

Ça ne me dit rien. Tu plaisantes! Ça m'est égal. Je n'ai pas d'envie. I don't want to. I don't fancy that. You must be joking! I don't mind.

I. LIMIE PHRASES	KASES
hier	yesterday
hier soir	yesterday evening
le week-end dernier	last weekend
l'année dernière	last year
quand j'étais jeune	when I was young
aujourd'hui	today
le matin	in the morning
en été 🔍 💛	in summer
en hiver	in winter
demain	tomorrow
demain soir	tomorrow evening
le week-end prochain	next weekend
l'année prochaine	next year 🚺 /

J'ai

ESSENTIAL VERBS

JOUER-TO PLAY	OPLAY	FAIRE	FAIRE-10 DO
Je joue	l play	Je fais	Ido
Tu joues	You play (s)	Tu fais	You do (s)
II/elle joue	He/she plays II/elle fait	II/elle fait	He/she does
Nous jouons	We play	Nous faisons We do	We do
Vous jouez	You play (pl) Vous faites		You do (pl)
lls/elles jouent They play	They play	lls/elles font They do	They do

ס כ כ



Year 7 – HT4 - Free time

Le soir, j'aime regarder la télé avec ma famille au salon.	1	In the evening, I like to watch TV with my family in the lounge.
Surtout nous adorons les comédies et les documentaires.	2	Especially we love comedies and documentaries.
Parfois nous allons au cinéma, je préfère les films romantiques	3	Sometimes we go to the cinema I prefer romance films
mais mon frère aime les films d'horreur.		But my brother likes horror films
La semaine dernière j'ai vu Harry Potter c'était vraiment sensass.	4	Last week I saw Harry Potter, it was really amazing.
J'écoute de la musique tous les soirs dans ma chambre.	5	I listen to music every evening in my bedroom.
J'adore la musique pop, mon chanteur préféré est Harry Styles.	6	I love pop music, my singer favourite is Harry Styles.
A mon avis la musique pop est plus reposante que la musique rap.	7	In my opinion, pop music is more relaxing than rap music.
Parfois, le soir je joue au jeux-vidéos ou je surfe sur internet.	8	Sometimes, in the evening, I play computer games or I surf the internet

1. Weather and	Climate key words
Weather	The state of the atmosphere at a particular place and time
Meteorology	The study of the atmosphere
Weather forecast	Atmospheric data is used to describe expected weather
Precipitation	Any water falling from the sky such as rain, snow and hail.
Air pressure	The weight of the air pushing down on the earth
Air mass	Body of air with uniform conditions
Anticyclone	High pressure system leading to stable weather conditions
Depression	Low pressure system leading to unsettled weather
Front	Boundary between two air masses – one hot and one cold.

2. Measuring	Weather	
Weather	Unit	Instrument used
Temperatu re	Degrees centigrade	Thermometer
Air pressure	Millibars	Barometer
Sunshine	Hours	Campbell-Stokes sunshine recorder
Wind speed	Knots	Anemometer
Rainfall	Millimetres	Rain gauge
Cloud Cover	Oktas	

4. Types of rainfall	
Relief	Caused when air is forced to rise over upland areas
Convectional	Caused by prolonged heating of the ground
Frontal	Caused by cold and warm air meeting in the atmosphere

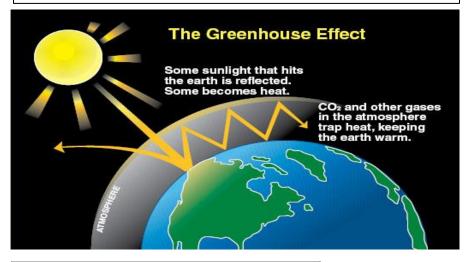
3. Formation of rainfall	
1. Warm air rises and cools	
2. Cool air reaches the dew point and condensation occurs	
3. Clouds form	
4. Cloud grows and when it can no longer hold the moisture rainfall occurs	

5. Weather systems	
Anticyclone	Depression
High pressure	Low pressure
Clear and dry in summer – can lead to heatwaves	Changing unsettled weather over a period of days
Cooler temperatures at night	In the UK they come from the Atlantic and move West to East
Cold, dry days in winter	Cold front brings showers and strong winds
Frost and fog common in winter	Warm front brings light rain and light winds

6. Factors affecting climate	
Latitude	Position on the earth north or south of the equator
Distance from the sea	Water retains heat much longer than land, keeping places warmer for longer.
Altitude	Height of the land above sea level.
Prevailing wind	The direction from which most wind usually blows

7. The greenhouse effect

Trapping of the sun's warmth in our lower atmosphere which warms the earth



8. Climate Extremes Key words	
Tropical storm	Intense low pressure weather system formed over oceans
Desertification	Fertile land turning into desert over time
Climate Change	The change in global climate largely attributed to CO2 emissions from human activity
Greenhouse gas	Gasses in the atmosphere which trap heat
Extreme Weather	Weather which does not match the expected pattern e.g. blizzard or heatwave

9. Effects of tropical storms	
Heavy rainfall	
High winds	
Storm surges	

10. Effects of desertification	
Soil erosion	
Crop failure	
Famine	
Hunger	

History - Power in Early Modern Britain

1. key features	
The Reformation	Henry VIII becomes Head of the Church and England becomes a Protestant country
Counter	England reverts back to
Reformation	Catholicism
The Spanish	Spain invades England under
Armada	Elizabeth I
The Gunpowder	Guy Fawkes tries to blow up
Plot	the Houses of Parliament
Witchcraft	Women were accused of being witches
The English Civil	A war within England between
War	Charles I and Parliament

2. The English Me	onarchs
Henry VIII	King who turned England into a Protestant country
Mary I	Henry VIII's daughter with Catherine of Aragon. Reverted England back to Catholicism
Elizabeth I	Daughter of Henry and Anne Bolyen. A Protestant
James I	Son of Mary Queen of Scots. King of Scotland and England. A Protestant
Charles I	Son of James I. Angered Parliament by wanting to become an Absolute Monarch. A Protestant King, but upset Protestants by being married to a Catholic
Oliver Cromwell	A Puritan (extreme Protestant) Led the New Model Army against Charles I in the English Civil War. Took over as Lord Protector of England after Charles

3. Henry VIII and the Reformation	
Causes	Henry Viii wanted a male Heir, fancied Anne Boleyn, Henry needed money
Protestant religion	Follows the Church of England
Dissolution of the Monasteries	Destroying the buildings of the Catholic Church
Rufford Abbey	An Abbey in Nottinghamshire which was destroyed during the Reformation

4. Elizabeth I and the Spanish Armada	
Portraits	Pictures of monarchs were painted by artists at the time. They often depicted them to be more attractive that what they really were.
Marriage	Elizabeth never married- instead believing that she was married to her country and did not need a man to rule.
The Spanish Armada	A fleet of 130 ships from Spain sent by King Philip II of Spain to try and invade England
Protestants V Catholics	Elizabeth was considered to be more sympathetic towards Catholics than her sister, Mary, was of Protestants. Her sister burned 300 Protestants at the stake. Elizabeth executed 48 Catholic Priests and 20 Laymen

5. James I, The Gunpowder Plot and Witchcraft	
Guy Fawkes	A disgruntled Catholic who wanted England to be a Catholic country
Houses of Parliament	The building in London where the Politician and king met to make the laws of the country
Treason	Going against authority. The Gunpowder Plot was considered to be Treason, which was punishable by death
Witchcraft	James I condemned witches in his book. Women who made herbal remedies to heal the sick were treated with suspicion. Men were only allowed to be doctors at the time.

6. Charles I, the English Civil War and Execution			
Absolute Monarch	A monarch who believes that only God can tell them what to do. This made Parliament angry as he didn't consult them		
New Model Army	An army based upon ability rather than someone's position in society. Cromwell realised that just because a person was rich, it didn't mean they were a good soldier		
Execution of Charles I	Charles was accused of Treason. He was given a 'show trial' where the court had already decided that he was guilty before the trial.		

7. Source analysis - key words			
Utility	How a source is or isn't useful to us		
Reliability	Can we trust the source?		
Interpretations	People's opinions about an event or individual		
Provenance	What is the source? Who created it? When was it created? Why was it created?		
Source content	What does the source tell us. Does our knowledge match up with what the source says?		

8. Timeline of key dates			
1509	Henry VIII becomes King		
1534	Henry VIII declares himself the Head of the Church of England		
1547	Edward VI becomes King		
1553	Mary I becomes queen		
1558	Elizabeth I becomes queen		
May 1558	The Spanish Armada		
1603	James I becomes King		
1605	The Gunpowder Plot		
1625	Charles I becomes King		
1642-1651	The English Civil War		
1649	The Execution of Charles I		

Year 7 ICT Knowledge Organiser

Logging on

USERNAMES these begin with 20 followed by First Name Initial and then Surname. Bob Smith would be 20bsmith

Strong Passwords are usually more than 8 characters with a mixture of uppercase, lowercase letters, numbers and symbols. They should be changed frequently. You should never share passwords.

ONE DRIVE is where you save all your personal documents at Christ the King. You can access this using your email address to login to Office.Com.

Email Address example:

20bsmith@christtheking.notts.sch.uk

Sending Email we use Outlook at CtK to send Emails. You should type an email address into the To: field. If you want to send a copy of the message to another person use the CC: field – this stands for CARBON COPY. If you do not want anybody to know you are sending a person a copy you should use the BCC – Blind Carbon Copy box. You can use the High Importance button to mark your message as important.

Key Vocabulary

Personal Data – data that can be used to identify an individual. This could be Name, date of birth or home address.

Spam – irrelevant or unwanted emails or messages, usually sent to a lot of people.

Normally used for advertising or spreading harmful programs. To reduce spam, tick the 'do not share my email box' on forms.

Identity Theft is when somebody pretends to be you using your person information, usually stolen online or through theft. Thieves may set up bank accounts and credit cards in your name.

Geo Tagging is when your location is tagged in social media posts or saved to a picture when you take it. Posting your location can be dangerous.

Phishing is when somebody pretends to be somebody you trust, usually in an email and asks for information which will help access your accounts or steal your identity. You should always check emails asking for information to see if they are trustworthy.

Firewall – security software preventing unauthorised access to a computer.

Anti Virus – Software that scans and removes malicious/harmful software on your computer.

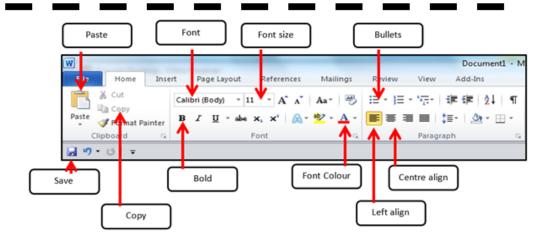


Microsoft Teams

At CTK we use Microsoft Office Teams in class, for assignments, and to connect with students. You can also download the 'Teams' app on your desktop or phone, then use your School email and

password to sign in to access it.

Vocabulary			
File	A specific piece of fata held on a computer		
Folder	A virtual location where programs, files and other folders can be located		
Shortcut key	A combination of keys that when pressed simultaneously, perform some task that ordinary requires to use a mouse.		
Email	Messages sent electronically over a computer network		
Attachment	A computer file sent along with an email message		
Search engine	A computer program that is used to look for information on the internet		
Social network	An online platform that allows users to create a public profile and interact with other users on the website		
Online profile	A social identity that an internet user establishes in online communities and websites		
Privacy settings	The part of a social networking website, internet browsers, piece of software. Etc. that allows you to control who sees information about you		
Cyberbullying	Using technology to bully someone		
Virus	A program or piece of code that is loaded onto your computer without your knowledge and runs against your wishes and has detriment effect		





Unit - Keywords

Cyberbullying

The bullying of another person using the internet, mobile phones and other digital devices, with the intent to deliberately upset them.

Netiquette

Correct or acceptable way of communicating on the internet.

Cyberstalking

Repeated use of electronic communication to harass or frighten someone.

Online Grooming

Deliberate act taken to befiriend and create an emotional connection with a child, resulting in not good intensions.

Sexting

Sending sexually explicit messages or images by cell phones and other electronic devices.

Password

A secret word or phrase that must be used to gain access to something.

Hacking

Gainnig access to a computer, with the intension of stealing data or causing damage

Download

Copying data from one computer system to another, typically over the internet.

Chat room

A website, or part of a website which allows people to communicate via a computer network in real time.

Block

Action taken to stop interactions from set people via online communication.

Spam

An email that is sent to a large number of people and mostly consists of advertising.

Websites you can Trust

No one is in charge of the internet so anyone can post or publish anything to it. Some content may be unsuitable. Websites that you can trust include those from:

- · the Government if the address has 'gov.uk' in it, it's a UK Government website
- the National Health Service (NHS) if the address has 'nhs.uk' in it, it's an NHS website
- · the Police the official website is www.police.uk
- the BBC all of the BBC's websites have 'bbc.co.uk' in their address

10 Ways To Stay Safe On Facebook

- 1) Monitor suspicious activity/links.
- 2) Remove friends as appropriate.
- 3) Keep your wall clean.
- 4) Turn off Facebook Chat.
- 5) Change your password often.
- Be careful who you share your password with.
- 7) Hide your year of birth.
- 8) Keep your private info private.
- Adjust your privacy settings.
- 10) Protect your mobile device.

Digital Footprint

Your digital footprint is everything on the Internet that's about you. This could mean photos, audio, videos, texts, your posts on friends pages, etc.

As you get older, a strong online presence can bring with it all kinds of benefits

Does this give a good online impression/digital footprint?





Phishing

As an internet user, you need to know if something is real or fake. Criminals on the internet try to get information from people.

To	Top Ten ways to Prevent Phishing				
	o ren ways to rrevent rinsining				
1)	The message contains a mismatched URL	2)	You didn't initiate the action		
3)	URLs contain a misleading domain name	4)	You're asked to send money to cover expenses		
5)	The message contains poor spelling and grammar	6)	The message makes unrealistic threats		
7)	The message asks for personal information	8)	The message appears to be from a government agency		
9)	The offer seems too good to be true	10)	Something just doesn't look right		

Spot the Problem What is the issue with the following email?



Ways in which to reduce SPAM

Spam is very difficult to avoid but there are ways to reduce it:

- Use a spam filter most email clients try to stop spam from reaching you by using a spam filter. It recognises common spam emails and stops them from getting through. Check your spam email regularly as sometimes real emails are mistaken for spam.
- Do not give your email address out if you don't trust the website or if supplying your email address is optional, don't give it to them.

Free anti-virus applications

- AVG
- Avast!
- Microsoft Security Essentials







A random person in a chatroom asks for your picture

What would you?

You get an email from someone

you dont know

- 1. Find a good photograph and send it to them 2. Ask them to send their picture to you first
- 3. Do not send your picture and tell an adult

1. Delete it straight away and tell a parent

2. Reply to the email and ask who they are

3. Open the email to see what it is

Term 2A: Applications of number



What do I need to be able to do?

| By the end of this unit you should be able to:

- Understand properties of addition/subtraction
- Use mental strategies for addition/subtraction
- Use formal methods of addition/Subtraction for integers
- Use formal methods of addition/Subtraction for decimals
- Solve problems in context of perimeter
- Solve problems with finance, tables and timetables
- Solve problems with frequency trees
- Solve problems with bar charts and line charts

Keywords

Commutative: changing the order of the operations does not change the result

Ossociative: when you add or multiply you can do so regardless of how the numbers are grouped

Inverse: the operation that undoes what was done by the previous operation (The opposite operation)

Placeholder: a number that occupies a position to give value

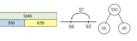
Perimeter: the distance/length around a 2D object

Polyaon: a 2D shape made with straight lines

Balance: in financial questions — the amount of money in a bank account

Credit: money that goes into a bank account Debit: money that leaves a bank account

Oddition/Subtraction with integers



Modelling methods for addition/subtraction

- Bar models
- Number lines
- Part/Whole diagrams



The order of addition does not change the result

360 - 147 = 360 - 100 - 40 - 7

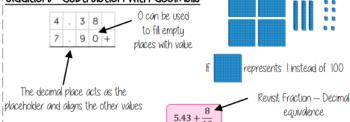
- Number lines help for addition and subtraction
- Working in 10's first aids mental addition/subtraction
- Show your relationships by writing fact families

ш	Т	0
н	'	U
1	8	7
5	4	2

Remember the place value of each column. You may need to move 10 ones to the ones column to be able to subtract

2 7

Oddition/Subtraction with decimals





8 cm Isosceles Triangle

Solve problems with perimeter

Perimeter is the length around the outside of a polygon

The triangle has a perimeter of 25cm. Find the length of x

8cm + 8cm + xcm = 25cm 16cm + xcm = 25cm xcm = 9cm

Solve problems with finance

Profit= Income - Costs

Credit — Money coming into an account

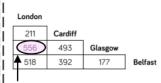
Debit — Money leaving an account

Money uses a two decimal place system 142 on a calculator represents £1420

Check the units of currency — work in the same

Tables and timetables

Distance tables



This shows the distance between Glasgow and London

It is where their row and column intersects

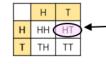
Bus/Train timetables

Harton	1005	1045	1130
Bridge	1024	1106	1147
Aville	1051	1133	1205
Ware	1117	1202	1233

Each column represents a journey, each row represents the time the 'bus' arrives at that location

TIME COLCUOLTIONS — use a number line

Two-way tables



Where rows and columns intersect is the outcome of that action.

Frequency trees

60 people visited the zoo one Saturday 26 of them were adults. 13 of the adult's

favourite animal was an elephant, 24 of the children's favourite animal was an elephant

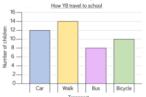
The overall total *60 people

a frequency tree is made up from part-whole models. One piece of information leads to another

(60)

Probabilities or statements can be taken from the completed

Bar and line charts



Use addition/subtraction methods to extract information from bar charts.

e.g. Difference between the number of students who walked and took the bus. Walk frequency — bus frequency

When describing changes or making predictions.

- Extract information from your data source
- Make comparisons of difference or sum of values.
- Put into the context of the scenario



Term 2B: Applications of multiplication and division

What do I need to be able to do?

Bu the end of this unit you should be able to:

- Understand and use factors
- Understand and use multiples
- Multiply/ Divide integers and decimals by powers
- Use formal methods to multiply
- Use formal methods to divide
- Understand and use order of operations
- Solve area problems
- Solve problems using the mean

heuwo<u>rds</u>

Orray: an arrangement of items to represent concepts in rows or columns

Multiples: found by multiplying any number by positive integers

Factor: integers that multiply together to get another number.

Mil: prefix meaning one thousandth

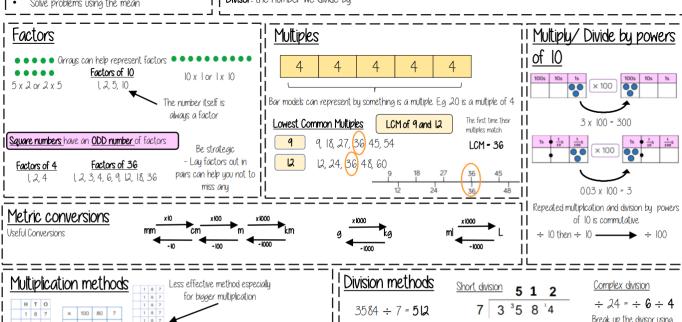
Centi: prefix meaning one hundredth.

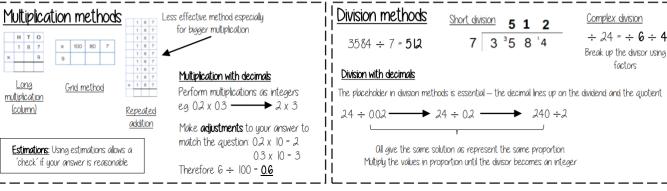
Kilo: prefix meaning multiply by 1000

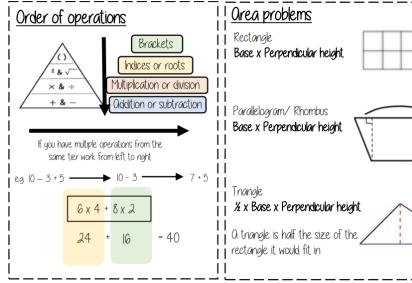
Quotient: the result of a division

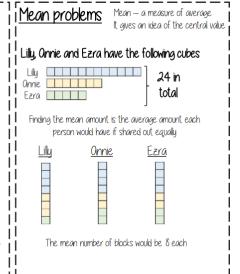
Dividend: the number being divided

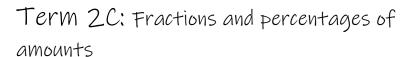
Divisor: the number we divide by.













What do I need to be able to do?

By the end of this unit you should be able to:

- Find a fraction of a given amount
- Use a given fraction to find the whole or other fractions
- Find the percentage of an amount using mental methods
- Find the percentage of a given amount using a calculator

<u>Keywords</u>

Fraction: how many parts of a whole we have

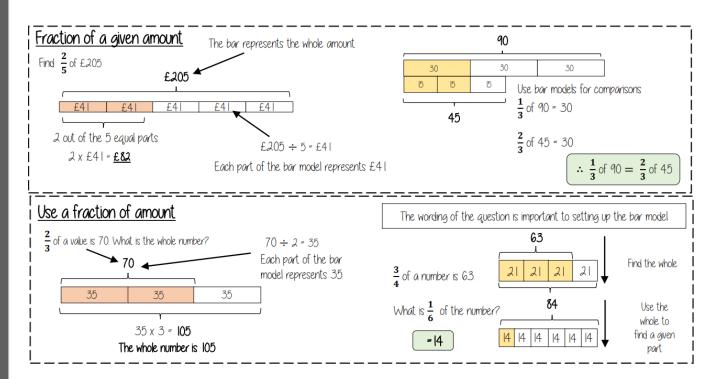
Equivalent: of equal value

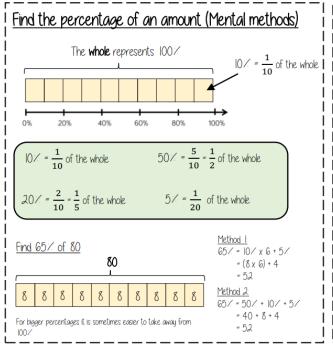
Whole: a number with no fractional or decimal part

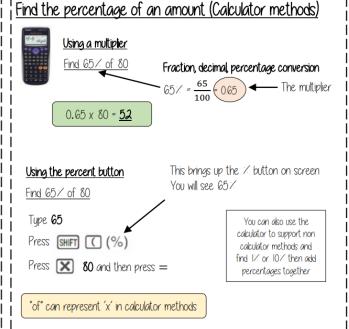
Percentage: parts per 100 (uses the / symbol)

Place Value: the value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right

Convert: change into an equivalent representation, often fraction to decimal to a percentage cycle.







S

Year 7 Mathematics



Term 2D: Operations with equations and directed numbers

What do I need to be able to do?

By the end of this unit you should be able to:

- Perform calculations that cross zero
- Odd/ Subtract directed numbers
- Multiplu/ Divide directed numbers
- Evaluate algebraic expressions
- Solve two-step equations
- Use order of operations with directed number

Keywords

Subtract: taking away one number from another.

Negative: a value less than zero.

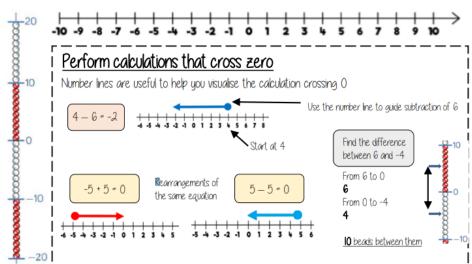
Commutative: changing the order of the operations does not change the result

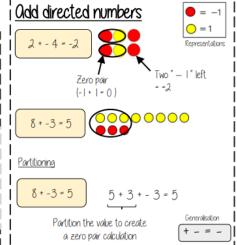
Product: multiply terms **Inverse**: the opposite function

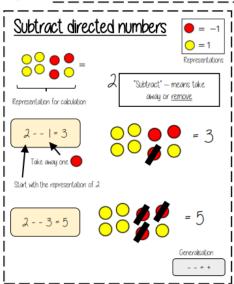
Square root: a square root of a number is a number when multiplied by itself gives the value (symbol , ,)

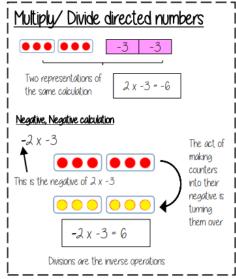
Square: a term multiplied by itself.

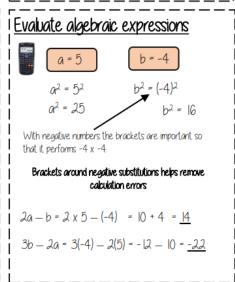
Expression: a maths sentence with a minimum of two numbers and at least one math operation (no equals sign)

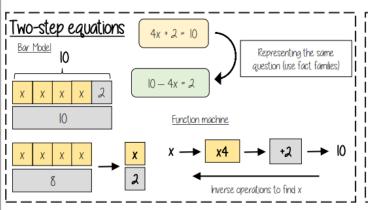


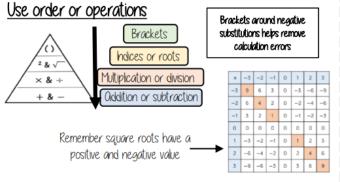














Term 2E: Addition and subtraction of fractions

What do I need to be able to do?

| By the end of this unit you should be able to:

- Convert between mixed numbers and fractions
- Odd/Subtract unit fractions (same denominator)
- Odd/Subtract fractions (same denominator)
- Odd/Subtract fractions from integers
- Use equivalent fractions
- Odd/Subtract any fractions
- Odd/Subtract improper fractions and mixed
- Use fractions in algebraic contexts

Keywords

Numerator: the number above the line on a fraction. The top number. Represents how many parts are taken

Denominator: the number below the line on a fraction. The number represent the total number of parts

Equivalent: of equal value

Mixed numbers: a number with an integer and a proper fraction

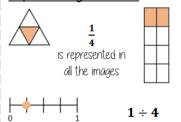
Improper fractions: a fraction with a bigger numerator than denominator

Substitute: replace a variable with a numerical value

Place value: the value of a digit depending on its place in a number. In our decimal number system, each place is

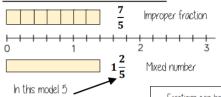
10 times bigger than the place to its right

Representing Fractions



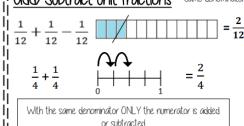
Mixed numbers and fractions

parts make up a

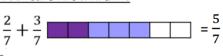


Fractions can be bigger than a whole

Odd/Subtract unit fractions



Odd/Subtract fractions

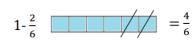


S<u>equences</u>

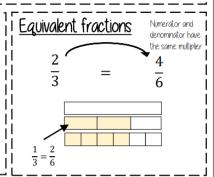


Represent this on a

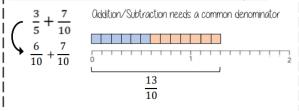
Same denominator i i Odd/Subtract from integers



The denominator indicates the number of parts a whole is made up of



Odd/Subtraction fractions (common multiples)

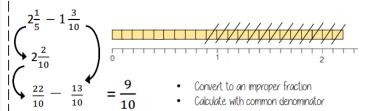


Odd/Subtraction any fractions



Use equivalent fractions to find a common multiple for both denominators

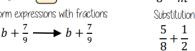
Odd/Subtraction fractions (improper and mixed)



$$\begin{vmatrix} 2\frac{1}{5} - 1\frac{3}{10} &= 2\frac{2}{10} - 1\frac{3}{10} &= 2\frac{2}{10} - 1 - \frac{3}{10} &= 1\frac{2}{10} - \frac{3}{10} &= \frac{9}{10} \end{vmatrix}$$

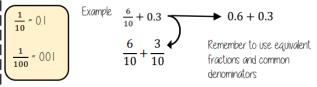
Fractions in algebraic contexts





Fractions and decimals

Apply inverse operations



Musical knowledge 3: pitch notation

Definitions

MUSIC

- Rhythm = long and short notes, and the gaps between them:
- 2. Melody = tune. This has pitch as well as rhythm (i.e. it goes up and down):

Words for describing melodies

Treble Clef



Register- how high or low the notes are Range – the distance from the lowest note to the highest wide or narrow Sequence – a pattern that repeats, ascending or descending Scalic (moving in a scale) or broken chord (moving in chord shapes)

Steps (going to a next-door note) or leaps (jumping to a note further away)
Ornaments (extra notes added to decorate)
Melodic ostinato/riff: a repeating

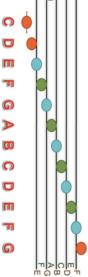
ė.

Notation

Exploring Treble Clef Reading and

How to read pitches

. The blobs of the notes are arranged on the lines and spaces of the stave. The higher the blob on the stave, the higher the pitch.

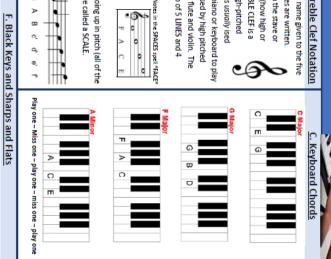


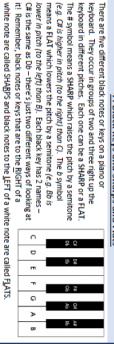
- Notes alternate being on a line and in a space.
- Notes higher or lower than the stave have their own little line called a ledger line, like middle C shown above



 You can remember the notes on the lines with 'Every Good Boy Deserves Football', and the notes in the spaces spell 'FACE'. Remember to go upwards when doing this!

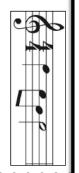
two Black Keys and the notes continue to G then they go back to A again. Notes with the same letter name/pitch are said to be an OCTAVE apart. MIDDLE C is normally in the centre of a piano keyboard. A piano or keyboard is laid out with WHITE KEYS and Black Keys (see section G). C is to the left of the D A. Layout of a Keyboard/Piano G D. Keyboard Functions D В 0 D П ດ В SPACES Notes from MIDDLE Cgoing up in pitch (all of the stave or staff is made up of 5 LINES and 4 instruments such as the flute and violin. The the MELODY and also used by high pitched notes on the stave and is usually ised symbol used to show high-pitched low a note is). The TREBLE CLEF is a staff shows their PITCH (how high or The position of notes on the stave or lines where musical notes are written A STAVE or STAFF is the name given to the five B. Treble Clef & Treble Clef Notation the right hand on a piano or keyboard to play white notes) are called a SCALE GВDF 0 т п <u>۵</u> Þ • • • o, Q, 0,





E. Left Hand/Right Hand (1-5)





Thrust and the protection of the piece of music: When you are listening to a piece of music: Structure to describe music. Appraid music would you describe the structure? When are melodies used? Are they simple of music would you describe the structure? Appraid music would you describe the structure? Appraid music would you describe the structure? Appraid music would you d



Every Good Boy Deserves Fudge		R D -	Ledger Line Notes in Treble Clef

Musical knowledge 2: rhythm notation

Definitions

 Pulse = the underlying count in the music. Like a heartbeat. You clap/dance to this. You feel it rather than hear it.



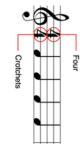
2. Rhythm = long and short notes, and the gaps between them:

Bars and time signatures

Notes on the stave are divided up into bars by bar lines.



in the piece.
3. The top number tells us how many beats are in a bar. The bottom number tells us what sort of beats they are.



How to read rhythms

These are the basic types of notes.
 American note names are more logical: here, the
 UK names are in brackets.
 | Note Past

Eighth Note/Rest (Quaver)	Quarter Note/Rest (Crotchet)	Half Note/Rest (Minim)	Whole Note/Rest (Semibreve)	Note/Rest Name
⇒ F	-	-0		
E	-		٥	Syı
→ □	-			Note Symbol
9	-	~		
,	**		•	Rest Symbol
1/2 beat	1 beat	2 beats	4 beats	Value (Length)

Pairs or 4s of quavers are beamed together. Remember each blob is a note.

together. Remember each blob is a not

2. Rhythms can be made up of any

- combination of notes or rests, as long as each bar adds up correctly.

 3. A dot after a note adds on half as much again: \(\) = \(\) + \(\) = 2 heats
- again: $J_{1} = J_{1} + J_{2} = 3$ beats $J_{2} = J_{2} + J_{2} = 1\%$ beats
 4. A triplet squeezes three notes into the



Musical knowledge 1: the essentials

MUSIC

Layers of sound

Melody = tune. One note at a time. Can be sung or played on an instrument.

Melody

Chords



A beat

ω

Bass line = the lowest part. One note at a time.

1 - 1 III

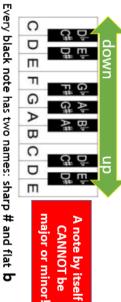
Played on a low-pitched instrument such as bass

instruments such as drums.

Beat = rhythm. Played on unpitched guitar, cello, double bass, tuba.

Notes on a keyboard

- Notes are in alphabetical order, going up to G
- Say: 'C is to the left of the two black keys: C D E П G A œ



- 4. 0
- $F\underline{I}$ at = \underline{I} ower than white note $S\underline{h}$ arp = \underline{h} igher than white note



Chords

Chord = 2+ notes played together



2. Chords can be major or minor

Major = 4 then Sounds happy semitones

Minor = 3 then 4 semitones

note, counting white AND black Semitone = the next

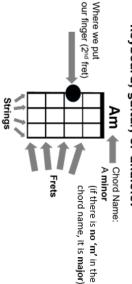
Sounds sad

name to the chord. the chord = the root.
The root gives its The bottom note of D F# A C O

9

W

Chords are usually played on the keyboard, guitar, or ukulele. N



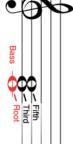
Left hand side of chord diagram = string nearest your chin

Musical knowledge 4: а cappella

Definitions and theory

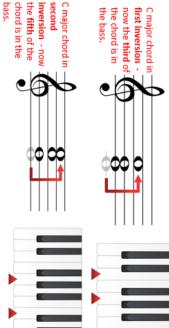
- ï. instruments A cappella = music sung by voices alone: no
- 2 be **major** (sounds happy) or **minor** (sounds sad) **Key** = the set of notes used to create the music. Can
- ယ notes: **Inversion** = when you shuffle the order of the chord

the 4+3 or 3+4 pattern. chords follow Root position





C major chord in **root position** (called this because the root note is in the bass (at the bottom)



These are all C major chords because they have C E and G in them.

Types of voices

- **Soprano** = the highest female voice
- 2 **Treble** = a boy's unchanged voice
- **Alto** = a lower female voice
- 4. **Tenor** = a high male voice
- **Bass** = a low male voice

Articulation

Articulation is how the notes are played/sung.

ARTICULATION

Sustained - notes that are held on individual notes one at a time Finger-picking - on guitar or uke, playing Strummed – on a guitar or ukulele, playing all the notes of a chord

from one pitch to another without Legato – notes that join smoothly together Staccato -Stab – a short, accented chord on a voice/wind instrument, going short, detached notes

string articulating the new note
Pizzicato – on a violin or cello, plucking the

Arco Accents – notes that are louder than the - on a violin or cello, using the bow

Year 7 Health and Fitness

Year 7 Hea Key Words Diet Carbohydrates Fats Protein Vitamins Minerals Water Fibre

Heart Rate

Stretching

Core Skills

3 Stages to a Warm Up:

Stage one: Raising the heart rate (jogging, fast walking, star jumps)

It is important because:

• It raises the body temperature and heart rate, which helps to warm the muscles

Muscles react and contract faster when they are warm

• It increases the blood supply to the working muscles (more oxygen getting to the working muscles)

Stage two: Stretching

Stretching the muscles used in the activity that you are about to participate in. There are two different types of stretching - static or dynamic. It is important to stretch before an activity because:

It reduces the risk of injury

• It stretches the muscles, making them longer and more flexible (increases the elasticity of the muscles)

The range of movement around a joint is increased

Stage three: Practicing skills

Practice the skills of the game, such as passing, dribbling and shooting. This is important because:

• This warms up the specific muscles that will be working in the game

You can get used to the surface/court lines/conditions on the day

It can help you to mentally prepare ("Get in the zone!")

Diet

Diet is an essential part of providing our bodies with energy we need to maintain a healthy lifestyle and optimise performance.

Component of diet	Found in foods such as	Good for
Carbohydrates	Potatoes, pasta	Energy source
Fats	Fish, butter, oils, diary	Energy source
Protein	Meat, fish, eggs and nuts	Muscle growth and repair
Vitamins	Oranges	Vision, healthy skin
Minerals(calcium iron)	Milk	Strong bones, teeth
Fibre	Cereal, wholemeal bread	Good digestive system

Lifestyle choices

<u>Diet</u>

Eating healthy		Eating unhealthy		
1.	Boosts energy levels	1.	Leads to deficiencies	
2.	Reduces the risk of developing	2.	Increases weight and % body fat	
	serious health conditions	3.	Causes depression with	
3.	Help lose weight		poor body shape	

Activity Levels

Active lifestyle		Ina	active lifestyle
1. 2. 3.	Boosts self esteem Reduces stress and anxiety Improves fitness	1. 2.	Increases risk of disease Decreases muscle mass, strength and energy levels
	levels		

Work / Rest/ Sleep

Good balance	Poor balance	
 Improves mood Increases productivity at work Contributes to quality of sleep 	 Increases the risk of depression Leads to weight gain Increased blood pressure 	

Drugs used to improve sports performance are called **Performance Enhancing Drugs.**

Different performance enhancing drugs will have different effects depending on the type of activity/sport.

Reasons why athletes take performance enhancing drugs:

- > Increase level of performance
- > Decrease recovery time
- Be able to train harder/increase intensity
- Increase the chance of winning
- Pressure from the coach?

Drugs in Sport

Athletics



Athletics Events

<u>Sprints</u>	Middle distances	<u>Throws</u>	<u>Jumps</u>
100m	800m	Javelin	Long Jump
200m	1500m	Discus	Triple Jump
300m		Shot Put	High Jump
400m			
Hurdles			



Anabolic Steroids

Adv: increases muscle mass, strength, power and bone growth → **train harder for longer**.

Side effects: infertility, high blood pressure, heart attacks, stroke → result in death!

Sports: athletics, weightlifting, boxing.

Diuretics

Acts as a 'masking agent' – flushes other drugs out.

Adv: increases the amount you urinate – causes weight loss.

Side effects: dehydration due to fluid loss and cramps.

Sports: Weight division sports e.g. Boxing; Horse racing.

Stimulants

Affects the Central Nervous System (CNS)

Adv: increases mental and physical alertness.

Side effects: High blood pressure, heart and liver problems and are addictive!

Sports: any sports where increased alertness is useful.

Peptide Hormones

- Growth Hormone: increases muscle mass resulting in increased strength and power.
 Sports: athletics, weightlifting, boxing.
- EPO (Erythropoietin): increases the amount of red blood cells in the blood, resulting in increase in oxygen supply to working muscles.
 Sports: cycling, long distance running.

Side effects: They can cause strokes, and heart problems; GH can also cause abnormal growth and diabetes.

Narcotic Analgesics

Kills pain but could make injuries worse long term.

Adv: avoid pain, can perform when injured.

Side effects: addictive with withdrawal symptoms, cause long term injury, low blood pressure and constipation.

Sports: any sports where masking pain is useful.

Beta Blockers

Drugs that control heart rate.

Adv: they lower heart rate, steady shaking hands, relax and calming effects

Side effects: low blood pressure, nausea, tiredness, depression and heart failure.

Sports: archery

TESTING

Two types:

- Blood
- Urine

If tests are positive, then a B sample is needed/tested.
If the B sample is positive then the athlete is BANNED!

This could lead to a loss in medals and trophies as well as sponsorship or being sacked from the club.

Challenge

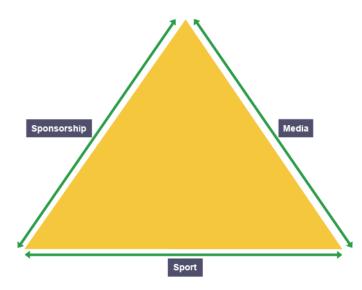
Research current World Records.

Find out the current CTK Athletics Records.

Commercialisation in Sport

Commercialism in sport is about making a profit from sport. This involves three main groups.

The golden triangle



The golden triangle shows the relationship between sport, the media and sponsorship. It represents the commercial – money-making – nature of sport.

The effects of media on sport

Types of media:

- Television and Radio
- Press
- Social Media and the internet

Positive influences of media:

- Raise awareness of sport
- Promote healthy active lifestyles
- Positive role models
- Celebrate effort and success
- Provide a sense of belonging
- Generate revenue and attract investment

Negative influences:

- Intrude on performers' privacy
- Showcase negative values and behaviour
- Undermine officials and their decisions
- Under-representing women's, black and minority ethnic and disability sport

Sponsorship in Sport

- · <u>Types of sponsorship:</u>
- -Individuals: wear a brand, endorse products and pay for travel costs
- Teams/Clubs: wear kit, have a

Benefits of sponsorship for sport:

- -Individuals: cover costs of kit/equipment
- -Teams/Clubs: pays towards kit/equipment and facility maintenance
- -Sports: pays for coaching
- -Events: covers venue hire and catering

Disadvantages for sport:

- Sponsorship can be limited and withdrawn
- -Some sponsorships give a bad image to sport (e.g. alcohol)
- -Performers can become reliant on sponsor

Benefits for sponsors:

- Raise awareness of their brand/company
- Advertise products and services
- -Increases sales through media exposure
- -Improves company reputation

Disadvantages for sponsors:

- -Uncertain investment as sporting success not guaranteed
- -If the sport or performers cause bad publicity, this reflects badly on the brand

Year 7 Health and Fitness Knowledge Organiser

Key Words

Diet

Carbohydrates

Fats

Protein

Vitamins

Minerals

Water

Fibre

Heart Rate

Stretching

Core Skills

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- · The range of movement around a joint is increased

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Minerals(calciumiron)	Milk	Strong bones, teeth
Fibre	Cereal, wholemeal bread	Good digestive system

Lifestyle choices

<u>Diet</u>

Eating healthy	Eating unhealthy	
 Boosts energy levels Reduces the risk of developing serious health conditions Help lose weight 	Leads to deficiencies Increases weight and % body fat Causes depression with poor body shape	

Activity Levels

Active lifestyle	Inactive lifestyle	
Boosts self esteem	 Increases risk of disease 	
 Reduces stress and anxiety Improves fitness levels 	2. Decreases muscle mass, strength and energy levels	

Work / Rest/ Sleep

Good balance		Poor balance	
1. 2. 3.	Improves mood Increases productivity at work Contributes to quality of sleep	1. 2. 3.	Increases the risk of depression Leads to weight gain Increased blood pressure

Injuries in Sport

How to Treat an Injury



The RICE method helps to reduce swelling and pain!
Used most commonly for soft tissue injuries or injuries
where swelling is likely to occur.

Raise the injured limb above the level of the heart

Types of Injury

Sprain – damage to a ligament that crosses a joint.

Fractures – broken bones caused by impact, twisting or repetitive stress on the bone.

Dislocation – joint injuries that occur when the bones meeting at a joint are dislodged through impact, twisting or pre-existing weakness to that area.

Concussion – caused by violent impacts to the head.

Abrasion – damage to the skin caused by impacts and collisions.

Torn Cartilage – cartilage lines the end of bones and can be damaged through twisting actions.

Overuse injuries – caused by repetitive actions or poor technique.

Prevention of Injury

- 1. Follow all rules and apply them fairly
- 2. Always use protective equipment and clothing and ensure all protection is in good working condition.

Lifestyle choices - the choices you make that can affect your health and fitness.

Lifestyle Choices

Key Lifeystle Choices - DRAW

Diet

- 3. A balanced diet helps support a healthy lifestyle. Your body needs the right nutrients to work well – which provide energy to exercise.
- 4. A diet that is too high in fats, sugar or salt can have a negative effect on your health such as high risk of obesity, high blood pressure and stroke and heart disease.
- 5. Not eating enough can lead to malnutrition this where the body does not get enough nutrients to maintain good health.

Recreational Drugs

Alcohol

- Affects coordination, speech and 1. judgement.
- 2. Reaction time gets slower
- 3. Drinking large amounts causes increase in blood pressure, so increases risk of stroke and heart 7. disease
- Heavy drinking leads to damage of liver, heart, muscles brain as well as the digestive and immune systems.

Smoking - Nicotine

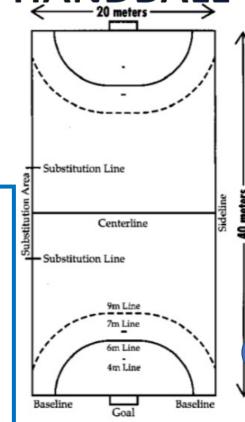
- Chemicals in cigarettes damage cells in the lungs
- This increases the risk of infections which can lead to bronchitis and pneumonia.
- Damage to alveoli causes them to lose their shape and become less efficient (emphysema)
- 8. Damage can also cause lung cancer.
- 9. Tobacco has nicotine in it which

Activity Levels

To be healthy, you need to be active. The positive impacts of exercise are:

- 1. Increases energy levels and makes you stronger and fitter.
- 2. Helps maintain weight and prevents obesity.
- Helps prevent diseases such as high blood pressure, heart disease, type 2 diabetes.
- Weight bearing exercises can help prevent osteoporosis (brittle bones).

HANDBALL



Handball Rules

- 1. A match consists of two periods of 30 minutes each.
- 2. Each team consists of 7 players; a goalkeeper and 6 outfield players.
- 3. Outfield players can touch the ball with any part of their body that is above the knee.
- 4. Once a player receives possession, they can pass, hold possession or shoot.
- 5. If a player holds possession, they can dribble or take three steps for up to three seconds without dribbling.

Key Points

Pass with one hand, catch with two.

Pass the ball and move into space. Shoot from a high to low angle to increase success.

Work/Rest/Sleep Balance

You need to make time to rest and relax after work to help relieve stress and anxiety.

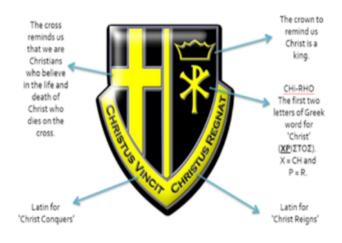
Sleep is vital for your body, as it allows you to rest and recover after work.

Lack of sleep affects your concentration levels and makes your tired quicker. In the long term, lack of sleep can cause anxiety and depression.



Unit 1: Introduction to Catholicism





	Key Words			
1	Bible	Sacred book of Christians containing both the Old and New Testaments		
2	Church	The Holy People of God, also called the Body of Christ, among whom Christ is present and active. Members of a particular Christian denomination/tradition		
3	Gospel	From the Anglo-Saxon godespel. Meaning 'good news'		
4	Inspiration	The guidance from God to write what is in the Bible		
5	Liberal View	The view that the Bible's authors were guided by God, but being human, could have made mistakes. This approach focuses on the spiritual truth within the parables and miracle accounts		
6	Literal View	A belief that every word of the Bible is literally true, even when this defies common sense and logic		
7	Reveal	Make known, show, make visible		

	Key Quotes
1	'We saw his glory, the glory which he received as the Father's only Son'. (John 1:14).
2	'I am the Lord's servant. May it be to me as you have said.' Luke 1:38

Key Fa	cts
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To help the CtK community carry out its Mission Statement, it uses #CTKCARES

- · Community -This means that we will accept everyone in our school for who they are
- Achieve We should want to do well and encourage others to do well too
- Respect We will accept and celebrate our differences making sure we treat people the way we would like to be treated
- Encounter –We should be respectful of all beliefs and encourage each other to question and search for 'truth'
- Jesus was a human, he grew from a baby into an adult, he made friends, got tired and hungry, he cried when his friend died and was frightened about the future. He was also the Son of God, according to Christians, and performed miracles, spread the message of God and taught us to care for the most vulnerable in our community.
- Christians have used the Bible as a guide and resource book for both their beliefs and their actions. The Roman Catholic Church still uses the Bible as a basis for its teachings and God still speaks through the Bible and guides the Church through the Holy Spirit.
- The Church is the group of believers that accepts Jesus as the **Son of God**, God-made-man. **The Church as the Body of Christ** performs the work of Christ on earth and helps other people to respond to the teachings of Christ.
- In the 16th century some Christians protested about the way the Pope in Rome was leading the Church. These **Protestants** broke away from Rome and formed separate Churches. This is known as the Reformation

In any particular country the Church is usually organised like this:

- There may be one or more **Diocese**, each looked after by a bishop
- Each Diocese is split into smaller areas called deaneries.
 - The smallest Church community is the parish, with the local community and a parish priest
- Roman Catholics believe that **Mary** had remained a virgin throughout her life, being totally dedicated to the work of God. She is a role model for Christians of what will happen to all those who are faithful to God. Roman Catholics believe that Mary is a perfect human being.

Pope Francis' took the name Francis after his election when he was reminded of St Francis' call to look after the vulnerable and the environment. **St Francis** was an Italian friar who is remembered for his solidarity with the poor, his love of animals and his attempts at interfaith dialogue with Muslims.

		Key Words
1	Covenant	An agreement or promise between God and people
2	Descendant	A future relation, for example, a child or child's child
3	The Fall	Adam and Eve's disobedience towards God by eating the forbidden fruit, bringing sin and evil into the world
4	Garden of Eden	The garden created by God for Adam and Eve to live in
5	Genesis	The first book in the Bible; it literally means 'origin'
6	Israelites	A name given to Abraham's descendants, chosen by God to be a great nation and have their own land
7	Old Testament	The first part of the bible, written between 800 BCE and 165 BCE
8	Original Sin	The Christian belief that everybody is born with a desire to do wrong

Key Quotes	
24	120

Thus the heavens and the earth were completed in all their vast array... This is the account of the heavens and the earth when they were created, when the LORD God made the earth and the heavens.

(Genesis 2:2-4)

You are to bring into the ark two of all living creatures, male and female, to keep them alive with you. ²⁰ Two of every kind of bird, of every kind of animal and of every kind of creature that moves along the ground will come to you to be kept alive. (Genesis 6:19-20)

2

Unit 3: Biblical Literacy Old Testament - Genesis









Key Facts

- The bible is a collection of 66 or more separate books written by about 40 different authors over several centuries. These books are organised into two sections: the Old Testament and the New Testament
- 2 Christians believe that the Bible is inspired by God. Some interpret the Bible literally and others think that some of its stories are myths.
- In Genesis, God creates the first humans, Adam and Eve, and tells them they can eat the fruit from any tree in the Garden of Eden except the tree that 'gives them knowledge of good and evil.' They disobey him, and Christians believe this brought original sin into the world.
- Adam and Eve had two sons called Cain and Abel. Christians believe the effects of original sin can be seen in Cain's murder of his brother Abel.
- According to Genesis, as the earth's population increased, so too did the violence and evil. God decided to send a great flood to wipe out the human race, but he told a good man named Noah to build an ark to save himself and his family.
- God wanted to establish a a special nation of people who would follow his laws and be an example to others., He chose a man named Abraham to be the father of this nation. He tested Abraham's suitability by asking him to sacrifice his son, Isaac.
- Isaac had two sons, Jacob and Esau. Jacob had 12 of his own sons, including Joseph. Joseph's brothers disliked him because he was his father's favourite and dreamed of his brothers bowing down to him.

Joseph's brother sold him into slavery in Egypt, where he work for Potiphar before being imprisoned when Potiphar's wife accused him of trying to get into bed with her. He was released from prison after interpreting Pharoah's dreams. The pharaoh made him the second most powerful man in Egypt.

		Key Words
1	Covenant Box	A special box containing the stone tablets on which the Ten Commandments were inscribed
2	Exile	Being forced ti kuve outside the country of your birth
3	Exodus	The Israelites' journey out of Egypt
4	Messiah	A saviour, or rescuer, sent by God
5	Passover	A Jewish festival remembering the Israelites' freedom slavery in Egypt
6	Promised Land	The land of Canaan, which God promised to give the Israelites
7	Ten Commandments	The 10 rules given by God to Moses for the Israelites to follow
8	The Ten Plagues	The 10 disasters that God inflicted on the people of Egypt to convince the pharaoh to free the Israelites

Unit 3: Biblical Literacy Old Testament – Exodus to exile



Michelangelo's David



Key Quotes God said to Moses, 'I AM WHO I AM. This is what you are to say to the Israelites: "I AM has sent me to you."... 'Say to the Israelites, "The Lord, the God of your fathers – the God of Abraham, the God of Isaac and the God of Jacob – has sent me to you..." (Exodus 3:14-15) Then the fire of the Lord fell and burned up the sacrifice, the wood, the stones and the soil, and also licked up the water in the trench. When all the people saw this, they fell prostrate and cried, 'The Lord – he is God!' (1 Kings 18:38-39)

Key Facts The second book of the bible, Exodus, begins with the king of Egypt trying to drown all the Israelite babies, but Moses was saved by the Pharoah's daughter. Moses left Egypt to work as a shepherd in Midian because the pharaoh want to kill him for murdering an Egyptian. Whilst shepherding, God spoke to him from a burning bush, telling him to return to Egypt and free the Israelites from slavery. At first the pharaoh was unwilling to free the Israelites from slavery, but he changed his mind after God sent 10 plagues to Egypt. Moses led the Israelites our of Egypt through the Red Sea and into the desert. God gave the Ten commandments to Moses on Mount Sinai. Joshua led the Israelites into the land that God had promised, but the Israelites started to worship the gods of other tribes. God sent them strong leaders known as the Judges. Samson was one of the Judges, whose strength came from his long hair, which was shaved off while he slept. David defeated the giant Philistine Goliath with a stone and became Israel's second king after the death of Saul. While David was king he committed adultery with Bathsheba and then arranged the killing of her husband, Uriah. God sent prophets like Elijah, who took part in a contest with the prophets of Baal on Mount Carmel to prove his God was real.





		Key Words
1	Bethlehem	The city where Jesus was born
2	Fast	To eat very little or no food; at the time of Jesus, Jews often fasted as a way of helping them focus on God
3	Gospels	The first four books of the New Testament; the word 'Gospel' means 'Good News'
4	Incarnation	God coming to earth as a human
5	Ministry	The name given to the last three years of Jesus' life, spent preaching and performing miracles
6	Parable	A short story intended to make a particular point or tell a moral lesson
7	Sermon on the Mount	A sermon given by Jesus giving guidance on how people should live their lives
8	Trinity	The belief that God is three as well as one; Father, Son and Spirit

Key Quotes

When all the people were being baptised, Jesus was baptised too.

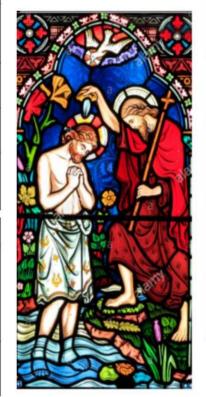
And as he was praying, heaven was opened and the Holy Spirit descended on him in bodily form like a dove. And a voice came from heaven: 'You are my Son, whom I love; with you I am well pleased.'

(Luke 3:21-22)

But I tell you, do not resist an evil person. If anyone slaps you on the right cheek, turn to them the other cheek also. (Matthew 5:39)

Unit 3: Biblical Literacy New Testament – Life & Teaching of Jesus





Key Facts

- The first four books in the New Testament are named after the people who may have written them; Matthew, Mark, Luke and John. Together they are known as the Gospels. Each of these books is about a man called Jesus who loved about 2,000 years ago
- Bible scholars think that most of the books in the New Testament were written within 70 years of Jesus' death, and some within 20 years.
- Matthew and Luke record the events of Jesus' birth, saying he was born to Mary in Bethlehem, but there are also differences between their accounts.
- Luke says that at the age of about 30, Jesus was baptised by his cousin John and went into the wilderness, where he fasted for 40 days and nights and where the devil tried to tempt him in three ways.
- The Gospel writers record Jesus performing many miracles, including turning water into wine, feeding the 5,000, walking on water and healing lepers and a paralysed man.
- The Gospels record Jesus coming into conflict with the Pharisees because he is criticised their ways of living, preferred to spend time with outcasts and claimed he could forgive sins, which they view as blasphemy.
- Jesus' teachings for example, the Sermon on the Mount, the Golden Rule and parables, including the prodigal son and the good Samaritan are recorded in the Gospels. Jesus taught that people should love God and love other people.
- Christians believe that Jesus was human but they also believe he was God living on earth. They call God coming to earth as a human the incarnation. Christians believe in the Trinity.

Golden Rule: Do to others what you would have them do to you

-		Key Words
1	Ascension	Jesus' return to heaven after his resurrection
2	Crucify	To kill a person by nailing them to a large wooden cross
3	Garden of Gethsemane	The garden where Jesus was arrested
4	Las Supper	Jesus' final meal with the disciples, where he predicts Peter's denial and Judas' betrayal
5	Palm Sunday	The day Jesus entered Jerusalem on a donkey
6	Pentecost	The day that the Disciples were filled with the Holy Spirit
7	Prophecy	A prediction that something will happen
8	Reconciliation	Repairing our relationship with God by accepting we have done wrong and asking for forgiveness

	Key Quotes
1	he scattered the coins of the money-changers and overturned their tables. To those who sold doves he said, 'Get these out of here! Stop turning my Father's house into a market!' (John 2:15-16)
2	Saulbegan to preach in the synagogues that Jesus is the Son of God. All those who heard him were astonished and asked, 'Isn't he the man who caused havoc in Jerusalem among those who call on this name? And hasn't he come here to take them as prisoners to the chief priests?' (Acts 9:19-21)

Unit 3: Biblical Literacy New Testament – Jesus in Jerusalem









	Key Facts
1	In the week before this death, Jesus rode into Jerusalem on a donkey and was greeted by crowds who put down palm leaves. Christians remember this on Palm Sunday.
2	The first three Gospel writers say that Jesus caused a disruption in the temple in the week leading up to his death, known as the 'cleansing of the Temple'. John places this story at an earlier point in Jesus' life.
3	According to the first three Gospels, Jesus ate a meal with his disciples the night before he died. He told them to eat bread and drink wine in remembrance of him. He also predicted that he would be betrayed Judas Iscariot and deserted by the other disciples.
4	Jesus was arrested in the Garden of Gethsemane by the Jewish authorities. The Jewish leaders could not kill Jesus themselves because they were living under Roman rule, so they accused Jesus of treason to Pontius Pilate, who sentenced him to death.
5	Jesus was mocked, tortured and killed by a method of called crucifixion. He dies with a sign above him saying 'King of the Jews'. According to Luke, Jesus promised a criminal on a cross next to him that he would be ion paradise with him that day.
6	The Gospel writers have differing claims that after Jesus' death he was resurrected. Christians believe that Jesus' death and resurrection made it possible for sins to be forgiven and be reconciled with God.
	The growth of the Christian Church after Jesus' death is recorded in

The growth of the Christian Church after Jesus' death is recorded in the book of Acts. After being filled with the Holy Spirit on the day of Pentecost, the disciples spread the message about Jesus.

A Pharisee named Saul/Paul originally persecuted Christians, but he converted to Christianity following a dramatic experience on the road to Damascus. He is credited with writing 13 of the books of the New Testament, although biblical scholars disagree about whether all 13 of them were actually written by him.

		Key Words
1	Allah	The Arabic word for God.
2	Ka'aba	A holy site in Mecca which Muhammad dedicated to God after destroying its 360 idols.
3	Mecca	A city in present-day Saudi Arabia; Muhammad was born here in 570CE.
4	Medina	One of the main cities in Arabia in the time of Muhammad (originally called Yathrib).
5	Mosquw	the place of worship for Muslims; it literally means 'place of prostration'.
6	Qu'ran	The holy book of Islam, which Muslims believe contains the word of God; it literally means 'recitation'.
7	Shirk	The Arabic word for the sin of worshipping anything other than God.
8	Tawhid	Belief in the oneness of God.

	Key Quotes
1	He is God: there is no other God than Him. It is he who knows what is unseen and what is seen, He is the Lord of Mercy, the Giver of Mercy (Qu'ran 59:22-23)
2	Those who believe and do good deeds will have an unfailing reward. (Qu'ran 95:6-7)

Unit 4 - Islam History and Belief





	Key Facts
1	Islam is a monotheistic religion so they believe in one God who created everything, has complete control over their lives and what happens to them after they die.
2	Tawhid is the believe that God is one – the most important belief.
3	Anything that goes against tawhid is shirk.
4	It has around 1.6 billion followers in the world, who are known as Muslims.
5	Muhammad, their last prophet, was born in 570CE and he founded Islam. Muslims believe in the other prophets in the Bible, including Abraham, Moses and Jesus, but they believe their messages were corrupted so God sent one final prophet, Muhammad.
6	God revealed the Qu'ran to Muhammad and it teaches Muslims how to live their lives – it is in Arabic. It was revealed to Muhammad on the Night of Power.
7	It's is split into 114 surahs and is believed to be the word of God so is treated with great respect
8	By the end of Muhammad's life he was the most influential man in Arabia. He had united warring tribes under Islamic rule and all of the polytheistic tribes had become Muslims, as well as some of the Jews.



The crescent moon and star are the symbol of Islam and often feature on flags and mosques

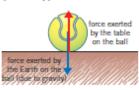






What is a force?

- A force can be a push or a pull
- A force is measured in Newtons (N)
- · We measure forces with a newton meter
- Forces explain why objects will move, change direction and change speed
- Forces always act in pairs, we call these interaction pairs
 e.g. the tennis ball exerts a downward force of weight onto the table, the table exerts an equal and opposite reaction force onto the ball



Types of forces

- Contact forces act when two objects are physically touching
- Air resistance and friction are examples of contact forces
- Non-contact forces act when two objects are physically separated (not touching)
- Examples of non-contact forces include gravitational force and magnetic forces
- We call the region where an object experiences a non-contact force a field, examples of these include gravitational fields and magnetic fields

Gravity

- Gravity is a non-contact force that acts between two objects
- Gravitational force pulls you back to Earth when you jump
- The size of the gravitational force depends on the mass of the two objects and how far apart they are
- Weight is the downward force caused by gravity acting upon the mass of an object, it is measured in Newtons (N)
- Mass is the amount of matter within an object, whereas weight is the downward force of the object, we measure mass in kilograms
- · We calculate weight with the equation:

The value of the gravitational field strength can vary, so although a
person's mass would be the same on different planets, their weight
would not be

Balanced and unbalanced forces

- When forces acting on an object are the same size, but acting in different directions, we say that they are balanced
- When forces are balanced, the object is either not moving (stationary) or moving at a constant speed
- When the two forces acting on an object are not the same size, we say that the forces are unbalanced
- When forces are unbalanced, the object will either be in acceleration or deceleration
- The resultant force is the difference between the two unbalanced forces



Speed

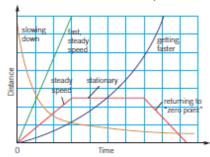
- Speed is a measure of how quickly or slowly that something is moving
- We measure speed in meters per second (m/s), this means that distance must be in meters and time must be in seconds
- We calculate speed with the following formula:

speed (m/s) =
$$\frac{\text{distance travelled (m)}}{\text{time taken (s)}}$$

- Relative motion compares how quickly one object is moving compared to another
- If both objects are moving at the same speed, they are not changing position in comparison to one another, meaning that their relative speed is zero

Distance-time graphs

 Distance-time graphs tell the story of a journey, they show how much distance has been covered in a certain period of time



 To find the average speed, the total distance must be divided by the total time



Make sure you can write definitions for these key terms.

acceleration air resistance balanced contact force deceleration distance-time graph field force friction gravity gravitational force interaction pair kilograms mass Newton newton non-contact pull push relative motion resultant force speed unbalanced weight

Chapter 1: Forces Keywords

	Key word	Definition
1	A	
١	A: 500:0+0000	of force exerted by air particles on an object
ı		and the state of t
S	Balanced	Forces acting on an object are the same
4	Contact force	When 2 objects are physically touching
5	Deceleration	Slowing down
6	Distance – time graph	A graph that shows the story of a journey
7	Field	The region where an object experiences a force
∞	Force	A push or a pull
9	Motion	Movement
10	Gravity	A non-contact force that acts between 2 objects
11	Gravitational force	The force that brings you down to Earth when you jump
12	Interaction pair	Equal forces acting in opposite directions
13	Kilograms	The unit of measurement for mass
14	Mass	The matter which makes up an object
15	Newton	The unit of measurement for force
16	Non-contact	When 2 objects are not touching
17	Pull	A force
18	Push	A force
19	Relative motion	How quickly an object is moving compared to another
20	Resultant force	The difference between 2 unbalanced forces
21	Speed	A measure of how quickly or slowly something is moving
22	Unbalanced	When forces acting on an object are different
23	Weight	A downward force caused by gravity







Energy

- . Energy is needed to make things happen
- · It is measured in joules or kilojoules
- The law of conservation of energy says that energy cannot be created or destroyed, only transferred
- This means that the total energy before a change if always equal to the total energy after a change

Energy can be in different energy stores, including:

- · Chemical to do with food, fuels and batteries
- · Thermal to do with hot objects
- Kinetic to do with moving objects
- · Gravitational potential to do with the position in a gravitational field
- Elastic potential to do with changing shape, squashing and stretching

Food and energy

- Food has energy in a chemical energy store
- Different foods contain different amounts of energy
- Different activities require different amounts of energy
- Different people need different amounts of energy depending on what they do each day

Power and energy

- Power is a measure of how much energy is transferred per second
- Power is measured in watts (W)
- Each appliance has it's own power rating to tell us how quickly it uses energy
- · We can calculate power with the equation:

power (W) =
$$\frac{\text{energy (J)}}{\text{time (s)}}$$

Non-renewable energy

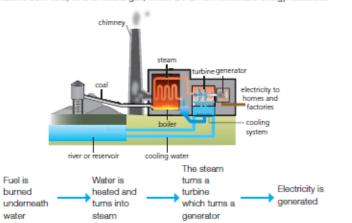
- Non-renewable energy cannot be replaced within your lifetime
- Non-renewable energy resources include coal, oil, natural gas and nuclear resources
- Coal, oil and natural gas are also known as fossil fuels, they release carbon dioxide when burned which contributes to global warming

Renewable energy

- Renewable energy can be replaced within your lifetime
- Renewable energy resources include wind, tidal, wave, biomass, solar, hydroelectric and geothermal
- Renewable energy resources do not produce much carbon dioxide, meaning that they have a smaller effect on global warming

Power stations

Thermal power stations burn coal, oil and natural gas, which are all non-renewable energy resources



Dissipation of energy

- We say that energy is dissipated when it is transferred to a nonuseful store, it cannot be used for what it was intended for
- . Energy can be wasted through friction, heating up components or heating the surroundings

 Efficiency is a measure of how much of the energy has been used in a useful way, we can calculate this with the equation:



Make sure you can write definitions for these key terms.

chemical dissipated efficiency elastic potential energy energy resources fossil fuels graviational potential joules kinetic kilojoules

Chapter 3: Energy Keywords

	Keyword	Definition
1	Chemical	The energy store referring to food, fuels, and batteries
2	Dissipated	When energy is transferred to a non- useful store
ω	Efficiency	The measure of how much energy has been used in a useful way
4	Elastic potential	The energy store referring to objects changing shape, squashing, or stretching
5	Energy	Energy is needed to make things happen
6	Energy resources	A source from which useful energy can be extracted
7	Fossil fuels	Coal, Oil and Natural Gas. They are an example of a chemical energy store
∞	Gravitational	The energy store referring to an objects position in a gravitational field
	potential	
9	Joules	The unit of energy. It has the symbol J
10	Kinetic	The energy store referring to moving objects
11	Kilojoules	The unit of energy. There are 1000J in 1kilojoule (kJ)
12	Law of conservation	Energy cannot be created or destroyed only transferred
	of energy	
13	Non-renewable	An energy resource that cannot be replaced in a human lifetime
14	Power	The measure of how much energy is transferred per second
15	Renewable	An energy resource that can be replaced in a human lifetime
16	Thermal	The energy store referring to hot objects
17	Watts	The unit of power. The symbol is W







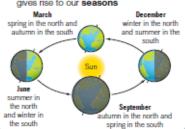
The Earth core (outer)

The Earth has three main layers:

- · The crust is rocky and solid
- . The mantle is made from mainly solid rock but this can flow
- . The outer core is liquid metal and the inner core is solid

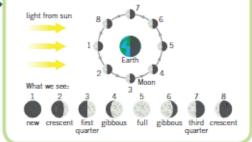
The spinning Earth

- · The Earth takes 365 days to orbit the Sun, this is one Earth year
- The Earth takes 24 hours to spin on it's axis, that is why we have day and night
- The Earth's axis has a tilt of 23.4" which gives rise to our seasons



The Moon

- The Moon is a natural satellite which orbits the Earth.
- One orbit of the Earth takes 27 days and 7 hours, this causes us to see the phases of the moon
- The different phases of the moon are caused by different parts of the Moon being lit by the Sun



The night sky

- A galaxy is a collection of stars. our galaxy is known as the Milky Way
- Stars produce their own light
- Planets are large objects which do not produce their own light but orbit stars
- Natural satellites include moons which can orbit planets
- Artificial satellites, such as the International Space Station, are man made structures which can orbit planets

The Universe

Galaxies

Stars

Planets, asteroids, and comets

Moons

Types of rock

Type of rock	How it is formed	Properties	Uses
sedimentary rock	sediment piles up in one place and, over many years, sticks together by compaction or cementation compaction: weight of sediments above squeeze them into rocks cementation: another substance sticks the sediments together	porous: made of small grains stuck together so there are holes that water can pass through soft: easy to break apart the sediments	building materials (e.g. sandstone and limestone)
igneous rock	when liquid rock cools it turns into igneous rocks these are made of crystals locked tightly together magma: liquid rock underground-cools slowly and forms large crystal lava: liquid rock above the ground-cools quickly and forms small crystals	durable and hard (difficult to damage): the crystals are locked tightly together not porous: there is no space between crystals	pavement rail tracks
metamorphic rock	other rocks under that Earth are heated and put under pressure over time, these rocks become metamorphic	not porous: there is no space between crystals	marble used for kitchens slate used for roofing tiles

The Solar system

Our solar system consists of eight planets which orbit the Sun, four inner and four outer planets

Inner planets Outer planets Small and rocky planets Gas giants (dwarf planets)

Mercury, Venus, Jupiter, Saturn. Earth, Mars Uranus, Neptune

- · Between the inner and outer planets, between Mars and Jupiter, there is the asteroid belt
- . The planets all orbit the Sun, but the path of their orbits are all slightly different, giving them the look of 'wandering' in the sky

Melts to form magma, then cools to form

The rock cycle

The rock cycle shows how rocks change and how their materials are recycled over millions of years



Make sure you can write definitions for these key terms.

asterold belt artificial satellite deposition dwarf planet milky way rock cycle mantle metamorphic rock phases of the moon planet maama natural satellite porous

Chapter 7: Earth Keywords

The orbital period of a planetary body	Year	27
All of space and time and their contents, including planets, stars, galaxies,	Universe	26
The Earths star	Sun	25
A luminous ball of gas, mostly hydrogen and helium, held together by its own gravity.	Star	24
Our star, the Sun, and everything bound to it by gravity	Solar system	23
Types of rock that are formed by the accumulation or deposition of small particles	Sedimentary rock	22
Solid material that is moved and deposited in a new location	Sediment	21
The continually changing processes in rocks such as weathering, erosion, and large earth movements.	Rock cycle	20
A celestial body moving in an orbit around a star	Planet	19
The curved path of an object around the Sun	Orbit	18
A fluid layer of the Earth composed of mostly iron and nickel	Outer core	17
Natural objects which orbit a planet e.g. moons	Natural satellite	16
The name of our galaxy	Milky Way	15
Formed when sedimentary rocks are subjected to high heat and high pressure	Metamorphic rock	14
The second layer of the Earth beneath the Earth's crust	Mantle	13
Hot fluid within the Earth's crust which lava and other igneous rock is formed when cooled	Magma	12
Hot molten rock erupted from a volcano	Lava	11
The innermost centre of the Earth	Inner core	10
Rock formed when hot, molten rock crystallizes and solidifies	Igneous rock	9
A large planet consisting of mainly hydrogen and helium	Gasgiants	∞
A collection of stars	Galaxy	7
A small rocky planet which orbits the Sun	Dwarf planet	6
Able to withstand wear, pressure, or damage; hard-wearing	Durable	5
The rocky solid outer layer of the Earth	Crust	4
A tilt of the Earth of 23.4° which gives rise to our seasons	Axis	3
Manmade structures which can orbit planets	Artificial satellite	2
A region of space between the orbits of Mars and Jupiter where most of the asteroids in our Solar System are found orbiting the Sun	Asteroid belt	1
Definition	Key word	



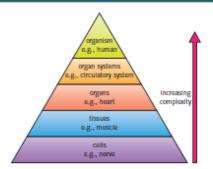


Chapter 8: Organisms

Knowledge organiser

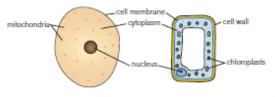


Levels of organisation



Plant and animal cells

- . To be able to observe a cell we need to use a microscope, this magnifies the cell to a point to which we can see it
- · Plant and animal cells have small structures inside known as organelles, each of these performs a certain role which allows the cell to survive



Specialised cells

- · Specialised cells are designed to carry out a particular function, because of this they have specific features and adaptations to allow them to carry this out
- · Both plant and animal cells can be specialised, with these specialised calls working together to help the organism to survive

The skeleton

- · The skeleton is made up of 206 bones which are a type of tissue
- Bones have a blood supply and are a living tissue
- · The skeleton is part of the muscular-skeletal
- The four main functions of the skeleton are:
 - To support the body to keep you upright and hold organs in place
- · Protect organs such as the skull protecting the brain
- Movement by working with muscles to allow you to move
- Making blood cells the bone marrow produces red and white blood cells



Muscles

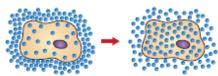
- . Muscles are a type of tissue which allows
- · They pull on tendons which in turn pull on bones to allow movement
- Muscles like the triceps and biceps are known as antagonistic muscle pairs, they work together -as one contracts, the other will relax

Organs

- · An organ is a group of tissues that have the same
- They can work with other organs in an organ system, such as the respiratory system which uses organs like the heart and lungs to transfer oxygen around the body
- · Vital organs are the organs that need to keep functioning for an organism to stay alive, e.g. the heart

Movement into and out of cells

- · The process in which substances move into and out of cells is known as diffusion
- This occurs across the cell membrane
- During diffusion particles move from an area of high concentration, to an area of low concentration



 Oxygen and nutrients enter the cell by diffusion, carbon dioxide and waste products leave

Movement

Joints occur between bones and allow movement, there are three main types of joints

Hinge Ball and socket For back and forward For movement in all

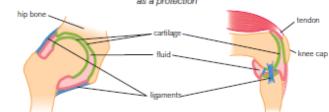
directionse.g. hips

Fixed Do not allow movement. e.g. skull

Joints have three main types of tissue:

movement, e.g. knees

Ligaments Cartilage Tendons Connect bone to bone Coats the end of bones Connects bone to muscle as a protection





Make sure you can write definitions for these key terms.

antagonistic muscle pair

cartilage

concentration

ligaments tendons

microscope

muscular skeletal system

Chapter 8: Organisms Keywords

19	18	17	16	15	14	13	12		11	10	9	∞	7	ტ	5	4	ω	2		1	
Tissue	Tendons	Specialised cells	Skeleton	Organ system	Organism	Organ	Nucleus	skeletal system	Muscular	Microscope	Ligaments	Joints	Diffusion	Concentration	Cell	Cartilage	Bone marrow	Bone	muscle pair	Antagonistic	Keyword
A group of the same cells carrying out a function	Tissue that connects muscles to bones	Cells adapted to carry out a function	The supporting framework of an organism	A group of organs that work together to perform a certain function in an organism	A living thing that has an organised structure of cells, tissues, and organs	A group of tissues that work together to perform a function	Hold s the genetic information of the cell		The organ system of muscles and bones that provide movement to an organism	Scientific apparatus used to observe objects too small for the naked eye	Tissue that connects bone to bone	Allow the movement between bones	The process where substances move into and out of cells	The density of particles in a stated volume	The building blocks of all living things	Coats the end of bones as protection	The soft blood-forming tissue that fills the cavity of bones	An organ that forms the skeleton of vertebrates		Muscles that work together, but in opposition to one another	Definition





Chapter 9: Ecosystems Knowledge organiser



Food chains and webs

- . Food chains show the direction in which energy flows when one organism eats
- · The direction of the arrows represent the direction in which the energy flows
- . Food webs show how a number of different food chains are connected.

Food chain Food web herbivore - type of consumer apex predator - last that eats the producer link in a food chain cartus) consumer that eats kes its own food

- Producers are the organisms which start the food chain, they convert energy from the Sun, making their own food, these are often plants
- Prey are organisms which are eaten by other organisms
- · Predators are the organisms which eat the prey

Disruption to food chains

- Interdependence is the way in which living organisms rely on each other to survive
- · A food chain will be disrupted if one of the organisms die out
- If the producer dies out the rest of the food chain will also die out unless they have a different food source
- If the consumer population die out the number of organisms which they eat will increase unless they are eaten by another organism
- Bioaccumulation is the process by which chemicals such as pesticides and insecticides build up along a food chain

Competition

Competition is the process in which organisms compete with one another for resources

. The best competitors are those who have adapted in order to best gain these resources

. As the number of a predator in a population increases the number of the prey will

Parts of a flower

Stamen

Male part of the flower

- The anther produces pollen
- The filament holds up the anther

Carpel

Female part of the flower

- The stigma is sticky to catch grains of pollen
- The style holds up the stigma
- The ovary contains ovules

Pollination and fertilisation

Pollination is the fertilisation of the ovule, the point at which the pollen is transferred to the ovule from the anther to the stigma, there are two types of pollination

- Cross pollination is between two different types of plant
- Self pollination happens within the same plant

ovule, nucleus





The tube grows out of the pollen grain and down through the style.

The pollen nucleus moves down the tube.

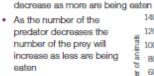
The pollen nucleus joins with the ovule nucleus. Fertilisation takes place and a seed will form.

Germination is the process in which the seed begins to grow, for this to occur

- · Water to allow the seed to swell and grow and for the embryo tostart growing
- Oxygen for that the cell can start respiring to release energy forgermination.
- . Warmth to allow the chemical reactions to start to occur within the seed.

Ecosystems

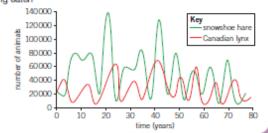
- All of the organisms which live in one area are known as a population
- An ecosystem is all of the organisms which are found in a particular location and the area in which they live in, both the living and non-living features
- A community are all of the areas in an ecosystem, the area in which the organisms live in is known as the habitat
- A niche is the specific role in which an organism has within an ecosystem, for example a panda's diet consists of 99% bamboo



· Animals compete for food, water, space and mates

· Plants compete for light, water, space and minerals

· The relationship between the predator and the prey is known as a predatorprey relationship



(A) Keyterms

Make sure you can write definitions for these key terms.

bloaccumulation fertilisation food chain food web germination Interdependence petal predator producer pollen pollination population seed sepal stamen prey

Chapter 9: Ecosystems

2	Anther	The part of a plant that produces pollen
2		The second beautiful build on the food shall
	Bioaccumulation	The process by which chemicals build up in a rood chain
3	Carpel	The female reproductive parts of a plant
4	Community	All the areas of an ecosystem
5	Competition	Where resources are limited, and one species has more of that resource
		than another
6	Ecosystem	All the organisms which are found in a location and the area in which they
		live
7	Fertilisation	When a female sex cell joins with a male sex cell
8	Food chain	The direction in which energy flows as one organism eats another
9	Food web	A diagram showing how different food chains are connected
10	Germination	The process in which the seed begins to grow
11	Interdependence	The way living organisms rely on each other to survive
12	Niche	The specific role an organism has in an ecosystem
13	Ovary	Contains the ovule
14	Ovule	The part of plant containing the ovum or egg cells
15	Petal	The brightly coloured part of a flower
16	Predator	An animal that eats another animal
17	Prey	The animal eaten by the predator
18	Producer	Organisms at the start of a food chain, they convert energy from the Sun
19	Pollen	The male sex cell of a plant
20	Pollination	The fertilisation of the ovule
21	Population	All the organisms that live in one area
22	Seed	An embryonic plant in a protective outer covering
23	Sepal	The outer casing of a flower
24	Stamen	The male reproductive part of a plant
25	Stigma	The part of a plant that catches the pollen
26	Style	The part of the plant that holds up the stigma

D&T – Fabrics and Fibres

DT Year 7 Fabrics and Fibres

Iterative design: The iterative approach to designing is a flexible way of designing by working through ideas with sketches and notes and developing models when they are needed. It is a journey that could have a number of different starting points and outcomes.



Used to hand sew fabric and creating embroidery designs. The 'eye' of the needle is

where the thread is fed through.

The iterative approach gives the designer the freedom to follow an idea in the direction that feels best for that idea. The designer's tools of sketching, modelling, testing and evaluating may be used in any order as long as they support rather than hinder the flow of ideas.

		ACCOUNT OF A CONTROL OF A CONTR
Pins	W	Used to hold fabrics in place when sewing, with an 'in/out' motion.
Machining Thread		Used to sewing fabrics together, either by hand or with a sewing machine.
Fabric Shears	8	Used to cut fabrics and threads only, not paper.
Embroidery Scissors	S	Used to cut delicate work into fabrics and trim threads.
Embroidery Thread		Comes with 6 threads intertwined that can be 'split' to reduce the thickness. Used to create decorative stitches on products.
Sewing Machine	2 14	A electrical product that is used to sew fabrics together securely. The machine can produce a range of stitches including straight & sig-sag.
Tape Measure	1	Used to measure fabrics and the human body to help make patterns accurate to the desired size.
Over locker		A electrical machine that neatens the edge of fabric to prevent fabric from fraying.
Aida Fabric	1	Fabric used to create embroidery designs.
Pattern		Used as a template for cutting out pieces of a textile product.
Seam Allowance	<u> </u>	Added to pattern to ensure that the products ends up in the correct size.
Fabric		Used to create a range of different products, including toys & clothing. Comes in a range of different lengths, widths, colours, finishes & patterns. Can be either Natural or Man-made.
Ironing/ Pressing	$\mathcal{O}_{\mathbf{z}}$	Method of removing creases from fabrics to give products a better finish.
Design	THE PARTY	A process that is completed to communicate your ideas clearly.
Colour Wheel		Using knowledge of colour to make your product stand out and appeal to others.

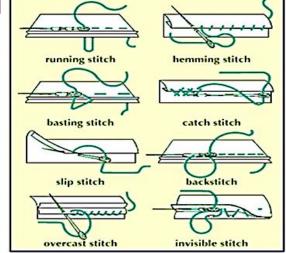
Textiles are highly adaptable and can be constructed to maximise different properties including a very high strength and weight ratio, which means less materials can be used to make strong and robust products.

Textiles are available in many different forms including rolls, yarns, and fibres. Some textiles can be very cheaply produced and some are extremely expensive, especially when using rare fibres and labour intensive techniques.

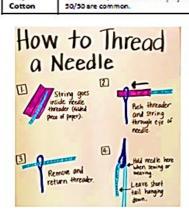
The categories of textile are:

- Natural Fibres
- Synthetic Fibres
- Blended or Mixed Fibres
- Woven Fibres
- Non-woven Fibres
- Knitted Textiles

SOME BASIC SEWING STITCHES



	Natural Fabrics	
Plant-based natural fibres	Characteristics	Uses
Cotton	Soft and strong, absorbent, cool to wear and easily washable. Cotton fabrics can be given a brushed finish to increase their properties.	Most clothing, especially shirts, underwear and denim can be made from cotton. Also used for towels and bedsheets.
Animal-based natural fibres	Characteristics	Uses
Wool	From fine and soft to thick and coarse, it is warm and naturally crease resistant. Can shrink. Often blended to add functionality.	Jumpers, coats, suits and accessories worn for warmth. Specialist wools are very soft and expensive. Felt products and carpets.
Silk	Very soft and fine finish, gentle on skin, can feel cool in summer yet warm in winter, drapes well, absorbent, strong when dry (weaker when wet), tricky to wash, can crease easily and is usually expensive.	Luxury clothing including nightwear and underwear, soft furnishings, bed sheets, silk paintings and wall hangings.
	Synthetic Fibres	
	Characteristics	Uses
Polyester	Tough, strong, hard wearing, very versatile, holds colour well, non-absorpent so quick drying, machine washes well. Often blended with other fibres. Easily coloured.	Clothing, fleece garments, bedsheets, carpets, wadding, rope, threads, backpacks, umbrellas and sportswear.
Polyamide (Nylon)	Good strength, hard wearing, non- absorbent, machine washes well, easily and frequently blended.	Clothing, ropes and webbings, parachutes and sports material. Used as a tough thread on garments.
Elastane (LYCRA)	Added to fabric to enhance working properties, particularly to add stretch. Allows freedom of movement, quick drying, holds colour well, machine washable.	Sportswear, exercise clothing, swimsuits, hosiery, general clothing, surgical and muscular supports.
	Blended and Mixed Fibre	5
Poly- Cotton	More durable than pure cotton but not as breathable. Can be produced more cheaply than cotton alone. Many blends are available; 65% cotton 35% polyester to 30/30 are common.	General clothing, sheets and bedding. Can be used as an alternative to most cotton products.



Scales of Production
One off: when you make a unique item.
Batch: when you make a few/set amount.
Mass: when you make thousands.
Continuous: open ended production.

Graphics Knowledge Organiser—Yr 7

	Paper Manufacture
1	Trees chopped down and logs put into a rotating drum to remove the bark
2	Wood is then put through the chipper to make wood chips. Sometimes these are taken from unused offcuts from sawmills. This saves waste
3	Mixed with chemicals to dissolve the lignin in the wood. This create pulp
4	Pulp is washed to remove the colouring from the chemicals. Bleach is added to ensure the paper is white
5	Pulp is mixed with water and put through various rotating blades. Dyes may also be added at this stage to colour the paper
6	Pulp is added to the paper machine and water is removed along the way. The pulp is put through a range of rollers. Pressure is applied throughout to remove water. Some rollers are heated

Key Words—Graphics					
Product	Something that is designed and manufactured usually to sell				
Lignin	Organic polymers that help form structures in plants. The make plants and trees more rigid				
Pulp	Broken down wood chips. With the lignin dissolved it is now soft and fibrous				
Paper machine	A continuously running series of manufacturing processes that turns pulp into paper				
Product Analysis	Exploring existing products for inspiration and to consider what to avoid. It helps with the designing process				
Dimensions	Measurement of something. Width, height, depth				
Design Brief	A description of what is required from a new project or prod- uct. What it should do, who it is aimed at, how long it will take, etc.				
Score	The process of making a crease in paper so it will fold easier. This can be done using a craft knife, ruler or a metal edge				
GSM	Paper is measured in grams. GSM stands for grams per square meter.				

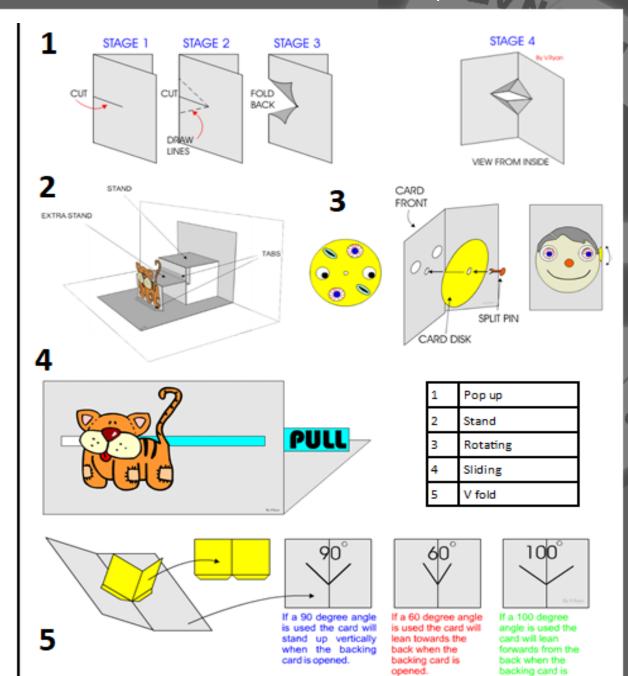
Г	ACCESS FM—Product Analysis							
1	A—Aesthetics	What does the product look like? Colours, shape, texture and appearance						
2	C—Cost	How much does it cost to buy?						
3	C—Customer	Who is the product aimed at? Who will use it? Who will buy it?						
4	E—Environment	What impact on the environment is there from the start of the products life to the finish? Can it be recycled?						
5	S—Size	What are the dimensions?						
6	S—Safety	What safety considerations are there for the product?						
7	F—Function	What does the product do and how does it work?						
8	M—Materials/ Manufacture	What is t made from and how was it made?						

		Grams per square meter (GSM)
1	35gsm to 55gsm	This is very thin paper indeed. Most newspapers will commonly be printed on this paper thickness
2	90gsm to 100gsm	This is the weight of most household printer paper. The stuff you might use in school
3	120gsm to 140gsm	This GSM range covers the paper thickness of most posters you're likely to find. Paper with this GSM is sturdy enough to withstand a bit of wear and tear
4	210gsm to 300gsm	Moving onto premium flyers now. This GSM range will cover most of the sturdy printed flyers you get given in the high street. This paper stock range is approaching card but will still have a bit of a bend when held with two fingers
5	350gsm to 400gsm	This GSM is essentially card. It will stand up under its own weight and is most commonly associated with premium flyers and business cards. As well, it is likely to be the stock that high-quality wedding invitations are printed on
6	450gsm to	This range of GSM is moving towards very thick card and mountboard

Graphics Knowledge Organiser—Yr 7

Size	Length	Width
A0	1189mm	841mm
A1	841mm	594mm
A2	594mm	420mm
A3	420mm	297mm
A4	297mm	210mm
A5	210mm	148mm
A6	148mm	105mm
A7	105mm	74mm
A8	74mm	52mm

		Paper/ card mechanisms
1	Pop up	a pop up feature that fits on the crease of the paper/card. Often used to create mouths for characters
2	Stand	A feature that creates a stand across a crease in the paper/ card. Design features are usually added to it so they stand out
3	Rotating	A disk that rotates, usually used in conjunction with a win- dow cut into a piece of card that goes over the disk. A split pin secures the two pieces together
4	Sliding	a moving component that moves across the page with the use of a slide bar
5	V-Fold	A feature that stands up from the page. V folds have to be created on the crease of the paper
6	Spring	A feature that uses two strips of paper that are overlapped to create a spring. A design feature is usually placed on top of the spring



<u>Year 7 – Design Technology: - Resistant</u> Materials

<u>Key topics:</u> Health and Safety, Safety Signs, Plastics, Tools and Materials, Woods, Metals, Processes, Marking out, measurement, Cutting out, Shaping, Wasting And Finishing

1. Key Vocabulary & Definition Keeping yourself and others safe when using tools Health & Safety and equipment This means you must do therefore it is compulsory Mandatory Signs e.g. wear googles Prohibition signs This means do not do e.g. do not run This refers to danger e.g. high voltage Warning Signs Safe Condition The safe way e.g. First Aid A polymer that has a memory and can be reshaped Thermoplastic when heated Thermosetting A polymer that is heat resistant, once shaped it plastic cannot be reformed Hardwood From deciduous tree. They are slow growing and more expensive Softwood From coniferous trees or evergreen trees that is fast growing. They have pines and cones. Manufactured Sheet materials manufactured from layers or particles of wood - MDF, Plywood and chipboard board Ferrous Metals that contain alloys Non ferrous Metals that do not contain iron e.g. aluminium Metals that are mixed with one or more element Alloys such as copper

Processes			
Wasting	Method used to remove and shape material through sawing, drilling, filing, laser cutting etc		
Draw Filing Method used to remove scratches from th			
Cross Filing Method used to smooth the edges of the a			
Wet and Dry	An abrasive paper used with water to shape and finish the edge of the acrylic		
Finishing	Adding polish or finish to material to enhance, protect or preserve materials.		

Millimetres

2. Health and safety

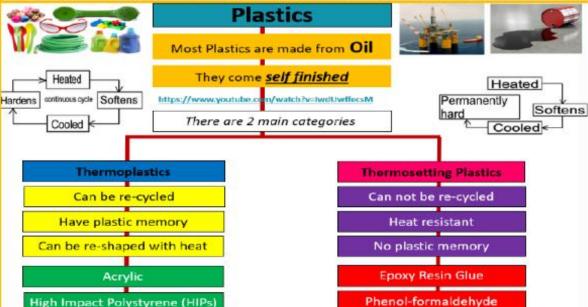
THERE ARE 4 TYPES PROPERTIES MARGAZORY MA

Example of rules in the workshop

- Always listen carefully to the teacher and follow instructions.
- Know where the emergency stop buttons are positioned.
- 3. Always wear an apron.
- 4. When attempting practical work all stools should be put away.
- 5. Report any damage to equipment as this could cause an accident.
- 6. Ask questions, especially if you do not fully understand.
- Do not use a machine if you have not been shown how to operate it safely by the teacher.
- 8. Always be patient, never rush in the workshop.
- 9. Always use a guard when working on a machine.
- 10. Use tools carefully. Keep hands away from moving / rotating machinery.
- 11. keeping both hands behind the cutting edge.



Most plastics are made of **fossil fuels**. Crude oil and natural gas go to refinement to be turned into multiple different products. Including ethane from crude oil and propane from natural gas.



CHRIST THE KING - KNOWLEDGE ORGANISERS

Workshop tools



A Coping Saw

A saw with a bow shaped handle. Upod to cut our more debated shapes in wood. The coping saw has a fifth blade and can be used to cut around beads and curved edges such as citcles.



A Junior Hacksaw

A fine-toothed saw used to cult metal and plastic. It is a smaller version of the regular hocksaw. A junior hacksaw cuts on the push stroke, which means the blade should always be placed in the frame with the leath pointing away freen the handle.

than solid timber | tend to warp | wood glued together



A Tenon Say

A Tenon Saw is a streight back saw, which keeps the saw rigid. It used for cutting straight lines in timber known as tenons. The tenon saw has crossout teeth which allows it to out across the grain of wood.



A Sile

A hand tool made of a case-hardened steel hat it can be fat, rectargular, square, hiergelar round or half rounded in shape. After is used to remove material trum a piece of wood, pleatic or metal. The surface of the file has fine diamond grain which cut into the material.

making and building works



A Bench Hou

A bonch hook is a piece of equipment that is hooked over the edge of a workbench or secured in a workbench vice. It allows you hold your work in place when cutting, preventing your work from stipping.



A Try Square

Alty square is a woodworking tool used for marking and checking 90° angles on pieces of wood.



A Bench Vice

It is attached to a workbench to hold your work securely in place when sawing, filing, drilling etc.



A G Clamp

G Clamps are used in the workshop, and they come in a range of sizes. They are used to clamp work securely to surfaces especially when drilling materials.



A Forster Bit

A driff bit that forms a flat-bottomed hole in metorial, it can driff whether the centre spor is engaging the workpiece.



A Piller Drill

A free-standing machine used to drill holes of different sizes in various materials such as wood, plestics and metal.



A Forme

Amould used to shape materials – plestics when heated and made plable



A Belt Sender A vertical sander used shape and finish material.



A Line bender

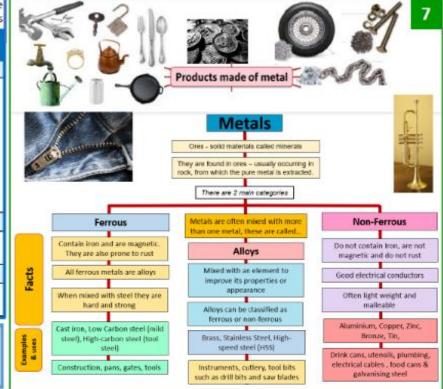
A tine bender is used to heat polymers along a line so that they can be bent. Once the polymer softens, it will bend easily into shape around a former before being left to goot.



You will use these materials in your projects as you complete your practical work. Learn their properties and characteristics

MATERIALS					
W000	TYPE	CHARACTERISTICS	TOOLS		
Fine	SOFTWOOD	Easy to work with, reasonably strong and light weight. Straight grain with lots of knots.			
Pywood	MANUFACTURED BOARD				
Fiberboard BOARD and com		Woodchips are broken down into a pulp, mixed with glue and compressed. It has a smooth surface, which makes it easy to paint and finish.	Glass peper		
PLASTIC	TYPE	CHARACTERISTICS			
Acrylia	THERMOPLASTIC Hard, shiny and resistant to weathering but scratches easily.		Coping saw Wet & dry		
METAL	TYPE	CHARACTERISTICS			
Aluminem	NON-FERROUS SHEET	Durable, lightweight and resistant to corrosion. A good conductor of heat and electricity.	Ir. hack saw Emery cleth		





Year 7 – Food Preparation and Nutrition:

A healthy balanced diet

Key topics: The Eatwell guide, the 4 C's, nutrients, knife skills, using the oven and hob, combining ingredients, shaping, forming, testing for readiness, weighing and measuring, washing up and clearing away.

1 The 4 C's Chilling Cooking Cleaning Cross Contamination Cooking kills Cleaning kills Chilling Bacteria is transferred bacteria. bacteria. from one object to prevents microbial another. Food needs Wash hands before. growth. during and after to be heated Keep raw and cooked food preparation. till steaming food separate. Cool food to hot with the Never wash raw meat. Wash all work tops, below 5*C as core utensils, chopping quickly as Keep raw meat and temperature boards and possible. shellfish on the reaching equipment. bottom shelf of the 75*C for 30 Defrost food in fridge. seconds. Rinse fruit, salad the fridge. and vegetables.

Basic knife skills





- Ensure you don't hurt yourself or others.
- · Use a firm grip and even pressure.
- Always cut down towards the chopping board, never cut towards yourself.
- Carry a knife with the point facing downwards.
- · Don't touch the knife blade.
- Always put a knife down, don't hand it to someone else.
- Never leave your knife soaking in the washing up bowl.
- Never catch a falling knife.
- Always hand your knife back in at the end of the lesson.

2 Preparing for a practical





CHRIST THE KING - KNOWLEDGE ORGANISERS

8 tips for a healthy lifestyle.





- •Base your meals on starchy foods.
- •Eat lots of fruit and vegetables.
- •Eat more fish.
- •Cut down on saturated fat and sugar.
- •Try to eat less salt- no more than 6g a day.
- •Get active and try to be a healthy weight.
- •Drink plenty of water.
- •Don't skip breakfast.







6 Key Terms				
Keywords	Definition			
Cross contamination	When bacteria is transferred from one object to another.			
Diet	The type of foods that a person eats. Some people have special diets depending on their age or needs.			
Nutrients	Nutrients are chemical compounds in food that are essential for the body to function properly and maintain health.			
Macro nutrients	These are nutrients that are needed by the body in large quantities; they are Carbohydrates, Proteins and Fats.			
Micro Nutrients	These are nutrients that are needed by the body in small amounts; they are vitamins and minerals.			
Health	This defines your physical wellbeing. Good health indicates that you are free from illness.			
Enzymic browning	an oxidation reaction that takes place in some foods, mostly fruit and vegetables, causing the food to turn brown.			

	7 Nutrients						
Nutrient		nt	Function	Food sources			
Carbohydrate		ydrate	This is the primary source of energy .	Bread, pasta, rice and potatoes.			
F	Fat		This is used as a secondary source of energy . It helps to insulate the body and maintains brain function .	Meats, cheese, butter, oils, nuts and seeds.			
P	Protein		The bodies building block. Helps the body to grow and repair itself.	Nuts, eggs, fish, meat, beans and pulses.			
٧	Vitamins		There are many different vitamins and they play a vital role in keeping skin , eyes , hair and blood healthy .	Fruits and vegetables, meats, dairy, eggs, cereals, sunlight etc.			
N	Minerals		Minerals help your body grow, develop and stay healthy. They help build strong bones, teeth, blood and nervous systems.	Dairy, vegetables, fish, meat, cereals etc.			
F	ibre		Prevent constipation , Increase the feeling of fullness , reduce the risk of heart disease, diabetes and some cancers	Wholegrain cereals, fruits and vegetables.			
V	Vater		it is a lubricant for joints and eyes; it is the main component of saliva ; it helps get rid of waste ; it helps regulate body temperature .	Juice, fruit, vegetables, soup, smoothies.			

