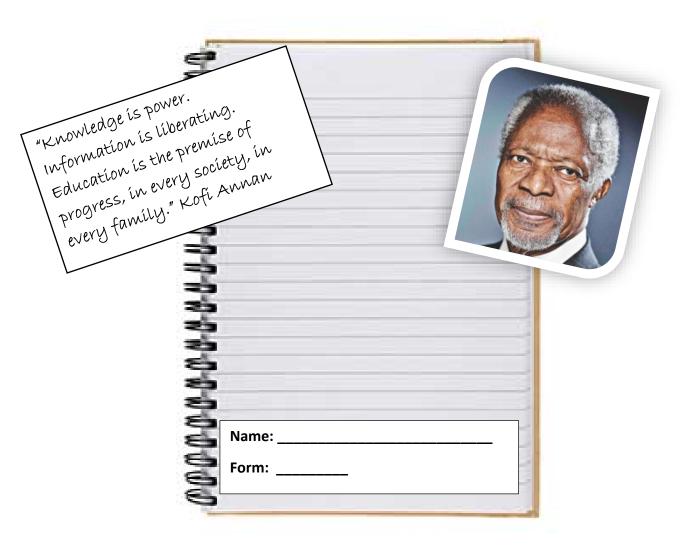


Knowledge Organisers

"I have come that they may have life and have it to the full" John 10: 10

Year 7 Term 1

You MUST bring this every day for every lesson. It must be placed on your desk at the start of each lesson.















Knowledge Organisers at St John Fisher Catholic School

Why do we have Knowledge Organisers?

Knowledge Organisers show you the key information for that particular topic of study. It is the 'key take-aways' of what knowledge you will need to know to be successful in this topic. It will give you an excellent understanding of the topic you are studying and the expectations.

How do I use it?

Your teachers will use your knowledge organisers with you, explained in the section below, but you can also use it to support your understanding of the topic and develop further knowledge. You will have a test at the end of each unit of study and an end of year exam which will cover all that you have learnt therefore it is important that this new knowledge is embedded so that you can recall it later.

Use the Look, Say, Cover, Write, Check system to learn the information on your organisers. Complete any support/challenge tasks outlined. Research tells us that this method of practising is a good way to remember the knowledge. Over time, you will build up this knowledge and be able to recall it.

Use the Knowledge Organiser when completing class and homework especially with key vocabulary.

How will my teachers use it?

Your teachers may set homework to learn parts of the Knowledge Organiser or set tasks from what is on there. You will be expected to complete between 30 minutes – 45 minutes of homework for each subject according to the homework timetable.

Your teachers will use the Knowledge Organiser in the lesson to support the new knowledge being taught so you must always keep this booklet with you and put on your desk at the start of each lesson.

You may be given low stake quizzes in your lessons which will test your recall of the current knowledge but also previous knowledge as the year progresses.

What do I do if I lose it?

All Knowledge Organisers are on the school website. However, you can purchase a copy at student services if you lose this.











The Formal Elements of Art

Line

Line is the path left by a moving point. For example a pencil or a brush dipped in paint. A line can take many forms.

Question: What materials could you use to make different types of lines?

Colour

Red, yellow and blue are primary colours, which means they can't be mixed using any other colours.

Two primary colours mixed together make a secondary colour-

In theory, all other colours can be mixed from these three colours.

Tone

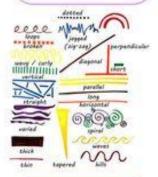
Tone refers to the lightness or darkness of somethina-Tone and shading can be

used to make 2D look 3D. giving it form.

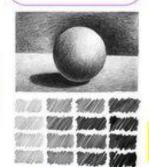
Question: How can you change the tone of a colour?

A shape is an area enclosed by a line. It could be just an outline or it could be shaded in-

Shapes can be either geometric, like a circle, square or triangle, or irregular.









Question: How many 3D shapes can you name?

Form is a three dimensional shape, such as a cube, sphere or

Sculpture and 3D design are about creating forms.

Question: How many 3D shapes can you name? How many can you draw accurately?

Texture Describes the surface quality of something.

Actual texture really exists.

Visual texture is created using marks to represent texture-

Pattern is a design that is created by repeating lines, shapes, tones and colours.

A design which keeps occurring is called a motif-

Notice other patterns in your life: breathing, music, math, PE. nature, man-made.

Seven formal elements

The art elements are line, shape, form, tone, texture, pattern and

They are often used together, and how they are organised in a piece of art determines what the finished piece will look like











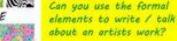




Patterns of SHAPE







about an artists work?

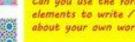
Can you use the formal elements to write / talk about your own work?











CHECKLIST:

Decorative Techniques

Fabric cravon

Press hard with the fabric crayon, blending and fading to develop depth within your work. Iron in between newspaper to fix to the fabric permanently.



Applique

Using multiple fabrics to layer and develop a design/image in a collage style. The fabric will add texture and colour to your



work. The fabric can be hand or machine sewn on.

Hand Embroidery

"You do not need to know hundreds of stitches. But you need to use the ones you do know well!"



Basic hand stitches:

- *Running stitch
- *Back stitch
- *Satin stitch
- *Seed stitch



Year 7 Art -Textiles Knowledge Organiser

Tie V)ye

Tie dye is a resist dyeing technique. Fabric is folded, twisted, pleated or crumpled and secured with elastic bands. Dye is then added to the fabric.

The elastic bands act as a resist to the dve. resulting in a pattern when they are removed.

Bright

Dark

Faded

Smooth

Harsh

Contrasting

Intense

Sombre

Grey

Strong

Powerful

Feint

Light/Medium/Dark

Dramatic



Shape, Form, Space

Closed Open

Distorted

Flat

Organic

Deep

Positive

Negative Foreground

Background

Composition Elongated

Large/Small

2D/3D

Tone

Repeated Uniform

Geometric Random

Symmetrical

Soft Irregular

Uneven

Bumpy Rough Smooth

Spiky Broken

Grid

Line Fluent

Rough

Controlled Powerful

Strong Geometric

> Angular Delicate

Flowing Simple

Broken Interrupted

Rounded Overlapping

Colour

Bright/Bold Primary/Secondary

> Tertiary Radiant

> > Vivid

Contrasting Monochrome

Harmonious

Earthy Saturated

Luminous

Textile Artists

Helen Wells

Is a British artist celebrated for her vibrant . multi lavered abstract art . Her art features motifs observed in nature or shapes. She is fascinated by the interplay of colours, shapes and patterns



Carol Saxby

She loves mixed media, combining a variety of techniques. She is interested Natural and eco dyeing. She is inspired by her home town of St

seaweed shells.



Haine Carlton

Is a textile artist who has always loved creating with fabrics. Much of her inspiration comes from her travels especially the sea and the beaches.





Year 7 How Computers Work

Summary of the Unit

E-safety refers to staying safe online, this includes the use of the internet, social media sites and gaming.

Computers require input hardware, processing hardware and output hardware. The hardware that defines a computer is the CPU and memory. Without these a computer could not function. The CPU and memory work together to run programs.

Input devices

An input device is any piece of computer hardware used to provide data to a computer system. Examples include:

- · Keyboard
- Mouse
- Scanner
- · Microphone

Storage devices

A storage device is a piece of computer equipment which can be used to store data. Examples include:

- Hard disk drive
- USB stick
- Memory Card

Output devices

An output device is any piece of computer hardware used to communicate the results of data that has been processed. Examples include:

- Monitor
- Printer
- Speaker
- Plotter

Websites

Learn parts of computer using these websites:

- www.bbc.co.uk/bitesize/guides/zxb72hv/revision/1
- www.teach-

ict.com/gcse_new/computer%20systems/hardware_software/miniweb/index.htm.











Keyword	us
Hardware	The physical parts of a computer system, eg a graphics card, hard disk drive or CD drive.
CPU	Central Processing Unit - the brains of the computer that processes program instructions. Also called a microprocessor.
RAM	Random access memory, stores currently running instructions, Volatile.
ROM	Read only memory, stores boot-up, non-volatile
Embedded systems	An embedded system is a small computer that forms part of a larger system, device or machine.
LAN	Local area network, computers connected to each other. Restricted to a small geographical area
WAN	Wide area network, WAN is over a large geographical area

Top tips for staying safe online

- 1 Don't talk to strangers
- 2 Don't give out personal information
- 3 Make sure all social media accounts are set to private.
- 4 Don't meet anyone online.





Year 7 Spreadsheets

Summary

Spreadsheets are used to store information and data. Once we have our information in a spreadsheet we can run powerful calculations, make graphs and charts and analyse patterns.

Microsoft Excel is a software program that allows users to organise, format and calculate data with formulas.

Common formulas and functions

+	Add	=A1+B2
=	Subtract	=81-84
1	Divide	=B4/C2
*	Multiple	=86*82
=SUM	Adds a range of cells together	=SUM(A1:A10)
=AVERGAE	Finds an average for a range of cells	=AVERAGE(B1:b6)
=MIN	Returns the smallest value in a range	=MIN(B1:B7)
=MAX	Returns the highest value in a range	=MAX(B1:B7)

Uses of Spreadsheets

Uses of spreadsheets:

- · Budget tracker
- · Stock tracking of a business
- · Money use in a business

Jobs that use spreadsheets:

- · Administrative Assistants
- · Financial Analysts
- · Retail Store Managers
- Accountants

Websites

Learn spreadsheets using these websites:

- www.udemy.com/course/useful-excel-for-beginners/
- www.w3schools.com/EXCEL/index.php

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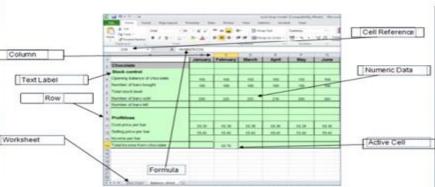








Keywords	
Ascending	arranged in a series that begins with the least or smallest and ends with the greatest or larges
Autofill	a software function that automatically enters data in spreadsheets
Cell Reference	The name given to a cell to uniquely identify it. E.g. E4
Formula	Simple calculations that normally start with =
Autosum	A feature that writes a SUM for you
Chart	Graphical representation of data.
Cell	Each little box in the grid is called a cell.
Column	The grid is made up of columns that are labelled with letters.
Labels	are pieces of text that we add to the spreadsheet to give us information about the numbers.
Row	The grid is made up of row that are labelled with numbers
Descending	arranged in a series that begins with the greatest or largest and ends with the least or smallest



Year 7 TERM 1-3 (Rotation)

Length of Unit: 12 Weeks

What are you going learn this term?

- Health and safety within the workshop.
- To select by name and use a variety of hand tools
- Marking and measuring create an accurate design to allow you to add the finishes of your choice.
- To make creative decisions, evaluate and refine as your design requires.

land and the same of the same				
KEY WORDS	Health and Safety	Coping Saw	Measurement	User Centred
Design	Evaluate	Ergonomic	Finish	Template
Typography	Aesthetics	Sanding	Tenon saw	Grain

Hardwoods



Beech

Oak

Comes from deciduous trees

Ash

This is a broad-leaved tree which looses its leaves in the winter.

Teak

Softwoods



Pine

Spruce

Comes from coniferous trees

Cedar

This tree is an evergreen (green all year), needle-leaved, cone-bearing tree.

Fir

Simple frame joints



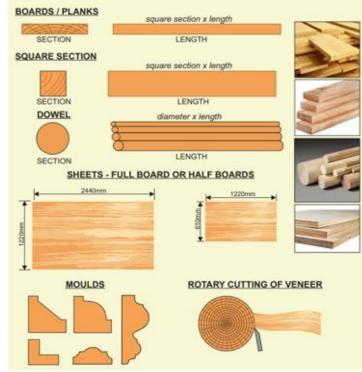






Corner halving

Through housing joint















The Eatwell Guide

- Comprises 5 main food groups.
- Is suitable for most people over 2 years of age.
- Shows the proportions in which different groups of foods are needed in order to have a well-balanced and healthy diet.
- Shows proportions representative of food eaten

Key terms

The Eatwell Guide: A healthy eating model showing the types and proportions of foods needed in the diet. **Hydration**: The process of replacing water in the body.

Dietary fibre: A type of carbohydrate found in plant foods.

Composite/combination food: Food made with ingredients from more than one food group.

8 tips for healthier eating

These eight practical tips cover the basics of healthy eating, and can help you make healthier choices.

- 1. Base your meals on starchy carbohydrates.
- 2. Eat lots of fruit and veg.
- 3. Eat more fish including a portion of oily fish.
- 4. Cut down on saturated fat and sugar.
- 5. Eat less salt (max. 6g a day for adults).
- 6. Get active and be a healthy weight.
- 7. Don't get thirsty.
- 8. Don't skip breakfast.

Hygiene and safety
Knife skills
Using the hob and the oven
Accurate measuring of ingredients
Healthy eating and nutrition.

Length of Unit:

12 Weeks

You will learn about

To find out more, go to: https://bit.ly/2QzUMfe



Meals and snacks can be sorted into The Eatwell Guide food groups.

Composite/combination food - Lasagne

Pasta (lasagne sheets): Potatoes, bread, rice, pasta or other starchy carbohydrates

Onions, garlic and chopped tomatoes: Fruit and vegetables Lean minced meat (or meat substitute): Beans, pulses, fish, eggs, meat and other protein

Cheese sauce made with milk and cheese: **Dairy and alternatives** Olive/vegetable oil used to cook onions and mince: **Oil and spreads**

Task

Plan a menu for a day that applies the principles of The Eatwell Guide and the 8 tips for healthier eating. Make one of the dishes, complete a sensory evaluation and calculate the energy and nutrients provided using nutritional analysis.













PSHE- Knowledge organiser- Y7 Term 1

Skills: Communication

Cooperation

Managing feelings

Applying knowledge to real life situation

Themes	Topics	Key learning points
Health and well being	Transition Solidarity	 PSHE: Personal Social Health and Economic Education Knowledge: to have information on a topic Understanding: to be able to explain information on a topic Skills: The ability to do something well Change is a normal and natural part of life and it is OK to feel more worried or anxious about some changes. There are things you can do to make changes feel better: be kind to yourself and ask for advice
Living in the wider world	Citizenship: Community The Common Good	 community: a group of people living in the same place or having a particular characteristic in common. citizen: a legally recognized subject or national of a state or commonwealth, either native or naturalized. rights: a moral or legal entitlement to have or do something. responsibilities: something you are required to do as an upstanding member of a community. bullying: the use of force, coercion, or threat, to abuse, aggressively dominate or intimidate.

Remember!

- We will be open and honest, but not discuss directly our own and others personal/ private life.
- Your teacher will not repeat what is said in the room except if she/he is concerned we are at risk.
- It is ok to disagree but we will not judge.
- Taking part is important but we have the right to pass.
- We will not make assumptions and we will listen to others' point of view.
- We know that there are no stupid questions but we will use appropriate language.
- If we need further help or advice, you know you can talk to your teachers, form tutor and SSOs.



PSHE- Knowledge organiser- Y7 Term 2

Skill: Applying knowledge to real life situation

	CEIAG	<u>CEIAG:</u> Careers Education, Information, Advice and Guidance
	CLIMO	
		• <u>career:</u> an occupation undertaken for a significant period of a
		person's life and with opportunities for progress.
		 Job sector: a part of the economy that includes certain kinds of
		jobs.
P		<u>Skills:</u> the ability to do something well.
		• Transferable skills: skills you can take along with you from job to
		job.
Living in the wider world		• competencies: the ability to do something successfully or
<u>د</u>		efficiently.
ide		• <u>CV:</u> a brief account of a person's education, qualifications, and
8		previous occupations, typically sent with a job application.
4	Finance	Money habits are developed at a young age, and it's important to
in 6		understand our attitudes towards money, spending and saving to
in in		help us make sensible decisions about our finances throughout our
<u> </u>		lives.
		 Needs: things that people require to survive
		Wants: things that a person would like to have but are not needed
		for survival.
		<u>Budget:</u> an estimate of income and expenditure for a set period of
		time.
		 Value for Money: the most advantageous combination of cost,
		quality and sustainability to meet customer requirements.

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- If we need further help or advice, you know you can talk to your teachers, form tutor and SSOs.

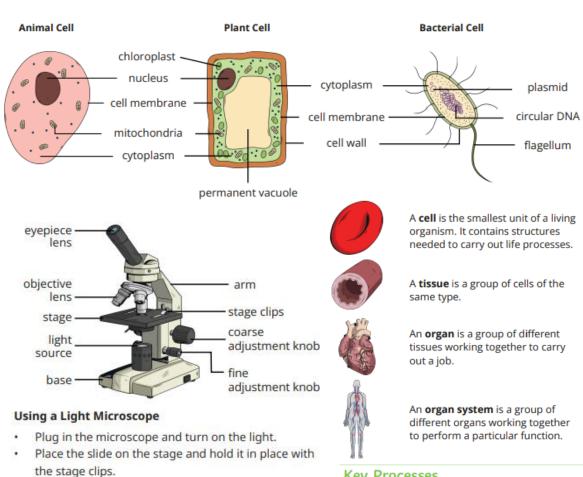


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Health and well being	The body	 health: a state of complete physical, mental and social well being and not merely the absence of disease or infirmity. healthy diet: having balanced meals that have the correct nutritional content for our bodies needs. obesity: weighing at least 30 percent more than your ideal weight anorexia: an obsessive desire to be thin. At least one hour of physical activity a day means working out a bit of a sweat and getting slightly out of breath for at least 1 hour. During sleep, your body is working to support healthy brain function and maintain your physical health. In children and teens, sleep also helps support growth and development. Getting inadequate sleep over time can raise your risk for chronic (longterm) health problems.
RSE	Created by God to love and loved by God	 We are created by God as one whole person, both body and soul. Each of us are physically, mentally and emotionally unique. Puberty: the process of physical changes through which a child's body matures into an adult body capable of sexual reproduction. Puberty involves physical, emotional and sexual development. Self-esteem: how we value and perceive ourselves. Self-esteem can affect your confidence and decision-making. Feelings can be misleading: we should not believe they are facts. Sexual intercourse: reproductive act in which the male reproductive organ enters the female reproductive tract. Sexual intercourse is more than just a physical act. Menstruation: normal vaginal bleeding that occurs as part of a woman's monthly cycle

Remember!

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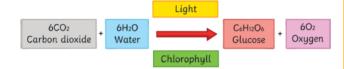
Science – Year 7 – Term 1 part 1 – Building blocks of life



Sub-Cellular Structure	Function
nucleus	Controls the activities of the cell. It contains genetic material (DNA), which is packaged into structures called chromosomes.
circular DNA	The DNA of bacteria found free in the cytoplasm.
mitochondria	Contain the enzymes needed for aerobic respiration, which releases energy for the cell.
chloroplasts	Contain a pigment called chlorophyll, which absorbs light to provide energy for photosynthesis.
cell wall	Helps to strengthen the cell and provides support for the plant.
cell membrane	Controls the movement of substances into and out of the cell.
cytoplasm	A jelly-like substance that fills the cell, where most chemical reactions occur.
flagellum	A tail-like structure that allows bacteria to move around.
permanent vacuole	Filled with cell sap to keep the cell rigid to support the plant.
plasmids	Plasmids are small rings of DNA that code for specific features, such as antibiotic resistance.

Photosynthesis is a chemical reaction which takes place in plants. It converts carbon dioxide and water into glucose and oxygen. It uses light energy to power the chemical reaction, which is absorbed by the green pigment chlorophyll. This means that photosynthesis is an example of an endothermic reaction. The whole reaction takes place inside the chloroplasts which are small organelles found in plant cells.

Plants acquire the carbon dioxide via diffusion through the stomata of their leaves. The water is absorbed from the soil through the roots and transported to the cells carrying out photosynthesis, via the xylem.



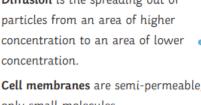
The glucose made in photosynthesis is used for respiration, stored as starch, fat or oils, used to produce cellulose or used to produce amino acids for protein synthesis.

Key Processes

Diffusion is the spreading out of particles from an area of higher concentration to an area of lower

Cell membranes are semi-permeable, only small molecules can get through.

Cell Diffusion



power objective lens, then use the fine adjustment knob to bring the cells back into focus.

Turn to the objective lens with the lowest

knobs to focus the specimen.

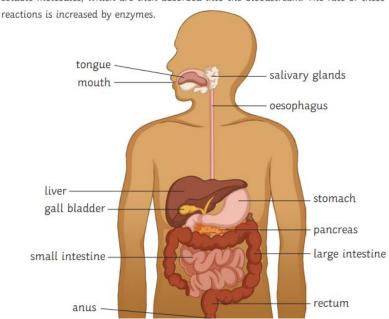
Look down the eyepiece lens and use the adjustment

Increase the magnification by turning to a higher

magnification.

Science – Year 7 – Term 1 part 2 – Life Processes

The purpose of the digestive system is to break down large molecules into smaller, soluble molecules, which are then absorbed into the bloodstream. The rate of these



When a person exercises, their body (specifically their **muscles**) need much more energy. To release more energy, the amount of respiration reactions occurring has to increase.

The **heart** pumps faster and the **breathing** rate and breath volume all increase to supply more **oxygen** to the muscles via the bloodstream.

If the muscles are not receiving enough oxygen to keep up the demand needed by the respiration reactions, then **anaerobic** respiration begins to occur. This incomplete oxidation of the glucose produces **lactic acid**, which can build up in the muscles and results in an **oxygen debt**.

After long periods of exercise, the muscles can become fatigued and stop contracting. You might experience a pain commonly called a **stitch**.

Enzymes

An enzyme is a biological catalyst; enzymes speed up chemical reactions without being changed or used up.



This happens because the enzyme lowers the **activation energy** required for the reaction to occur. Enzymes are made up of chains of amino acids folded into a globular shape.

Enzymes have an active site which the substrate (reactants) fits into. Enzymes are very specific and will only catalyse one specific reaction. If the reactants are not the complimentary shape, the enzyme will not work for that reaction.

Enzymes also work optimally at specific conditions of pH and temperature. In extremes of pH or temperature, the enzyme will denature. This means that the bonds holding together the 3D shape of the active site will break and the active shape will deform. The substrate will not be able to fit into the active site anymore and the enzyme cannot function.

Enzyme	Reactant	Product
amylase	starch	sugars (glucose)
protease	protein	amino acids
lipase	lipid	glycerol and fatty acids

The products of digestion are used to build new carbohydrates and proteins and some of the glucose is used for respiration.

Bile is produced in the liver and stored in the gall bladder. It is an alkaline substance which neutralises the hydrochloric acid in the stomach. It also works to emulsify fats into small droplets. The fat droplets have a higher surface area and so the rate of their digestion by lipase is increased.

Respiration is the chemical reaction which occurs inside the mitochondria of all living cells to release energy for living functions and processes, e.g. movement, warmth and building larger molecules for growth and repair. The reaction is exothermic, meaning that energy is released to the surroundings.

Respiration can be either **aerobic** (using oxygen) or **anaerobic** (without using oxygen).

In anaerobic respiration, the glucose is not completely oxidised. This means that there is less energy released than in aerobic respiration.

In plants and yeast, anaerobic respiration makes some different products. The reaction is also called fermentation and is used in bread-making and beer-brewing.

YEAR 7 — PLACE VALUE AND PROPORTION

@whisto maths

Ordering integers and decimals

What do I need to be able to do?

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

- Understand place value and the number sustem including decimals
- Understand and use place value for decimals, integers and measures of any size Order number and use a number line for
- positive and negative integers, fractions and
- use the symbols $=, \neq, \leq, \geq$
- Work with terminating decimals and their corresponding fractions
- Round numbers to an appropriate accuracy
- Describe, interpret and compare data distributions using the median and range

Keywords

Opproximate: To estimate a number, amount or total often using rounding of numbers to make them easier to calculate with

Integer: a whole number that is positive or negative

Interval: between two points or values

Median: O measure of central tendency (middle, average) found by putting all the data values in order and finding the middle value of the list.

Negative: Only number less than zero; written with a minus sign.

Place holder: We use 0 as a place holder to show that there are none of a particular place in a number

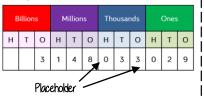
Place value: The value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right

Intervals on a number line

Range: The difference between the largest and smallest numbers in a set

Significant figure: O digit that gives meaning to a number. The most significant digit (figure) in an integer is the number on the left. The most significant digit in a decimal fraction is the first non-zero number after the decimal point

Integer Place Value



Three billion, one hundred and forty eight million, thirty three thousand and twenty nine

I billion 1, 000, 000, 000 I million 1 000, 000

П

Spread of the values

5495 to the nearest 1000

Rounding to the nearest power of ten

6000

Difference between the biggest and smallest

hundredths

(5000)

Range: Biggest value — Smallest value

Range = 9

tenths

<u>Compare integers using <,>,=,≠</u> Two and a half million 2 500 000 > greater than 300 000 000 Three billion = equal to ≠ not equal to Six thousand and eighty 68 000

Median The middle value

5475 to the nearest 100

5400

Example 1 Median: put the in order 3 8 find the middle number 3 4 (8) 9 12

Divide the difference by the number of intervals (gaps)... Eq $100 \div 5 = 20$

5475 to the nearest 10

Round to the first non

zero number

5480

If the number is halfway between we "round up"

Example 2 Median: put the in order

150 154 148

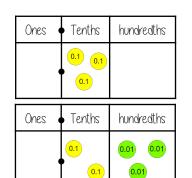
137 148 (150 154)58 160 137 160 158 There are 2 middle numbers Find the midpoint

Decimals



0 ones, 5 tenth and 2 hundredths $(\underline{0},\underline{0}) + (\underline{0},\underline{0}) + (\underline{0},\underline{0}) + (\underline{0},\underline{0}) + (\underline{0},\underline{0}) + (\underline{0},\underline{0}) + (\underline{0},\underline{0})$ = 0 + 0.5 + 0.02

Comparing decimals Which the largest of 0.3 and 0.23?



0.3 > 0.23

"There are more counters in the furthest column to the left"

0.30 0.23

Comparing the values both with the same number of decimal places is another way to compare the number of tenths and hundredths

Decimal intervals on a number line

One whole spit into 10 parts makes tenths = 0.1 One tenth split into 10 parts makes hundredths = 0.01

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

0.02 0.06 0.08 0.04

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8

Round to I significant figure

370 to I significant figure is 400

37 to I significant figure is 40 3.7 to I significant figure is 4

0.37 to I significant figure is 0.4

0.0000037 to 1 significant figure is 0.0000004

EAR 7 — APPLICATION OF NUMBER

Solving problems with addition and subtraction

What do I need to be able to do?

I 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

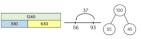
Polyaon: a 2D shape made with straight lines

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

I i Credit: money that goes into a bank account

I | 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

Subtraction_the order has to stay the same



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

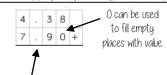
8 cm

Formal written methods

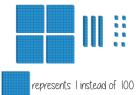
	IOI W	ricio	(11111	CUIDAS				
	Н	Т	О			Н	Т	0
Ī	1	8	7			4	2	7
	5	4	2		_	2	4	9

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

Oddition/Subtraction with decimals



The decimal place acts as the placeholder and aligns the other values

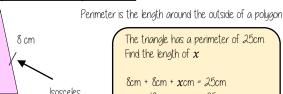


Revisit Fraction — Decimal equivalence

Solve problems with perimeter

Triangle

notation



The triangle has a perimeter of 25cm.

8cm + 8cm + xcm = 25cm16cm + xcm = 25cm

xcm = qcm

Solve problems with finance

Profit = Income - Costs

Credit — Money coming into an account

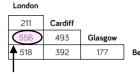
Debit — Money leaving an account

Money uses a two decimal place system. 14.2 on a calculator represents £14.20

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

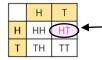
x cm

7037 1101111 (11110(012103							
Harton	1005	1045	1130				
Bridge	1024	1106	1147	П			
Aville	1051	1133	1205	П			
Ware	1117	1202	1233	4			

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

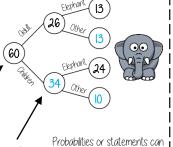
Frequency trees

60 people visited the zoo one Saturdau mornina.

26 of them were adults. 13 of the adult's favourite animal was an elephant. 24 of the children's favourite animal was an

> The overall total "60 people"

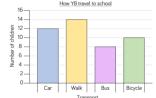
a frequency tree is made up from part-whole models. One piece of information leads to another



be taken from the completed

e.g. 34 children visited the zoo

1 Bar and line charts



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

eg Difference between the number of students who waked 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

R 7 — APPLICATION OF NUMBER

Solving problems with multiplication and division

What do I need to be able to do?

By 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

Keywords

Orrau: 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.

Mili: prefix meaning one thousandth

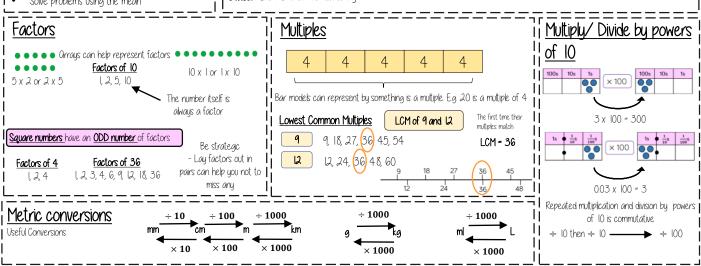
Centi: prefix meaning one hundredth.

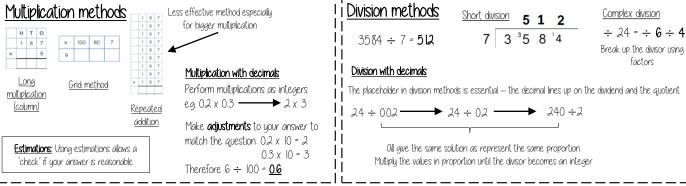
Kilo: prefix meaning multiply by 1000

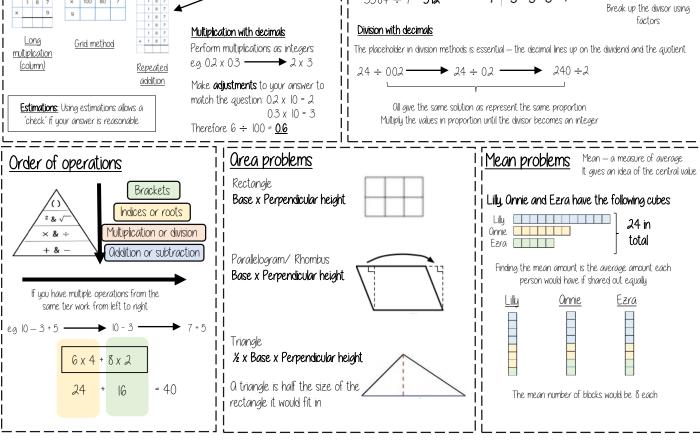
Quotient: the result of a division

Dividend: the number being divided

Divisor: the number we divide by.







YFAR 7 — DIRFCTED NUMBER

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

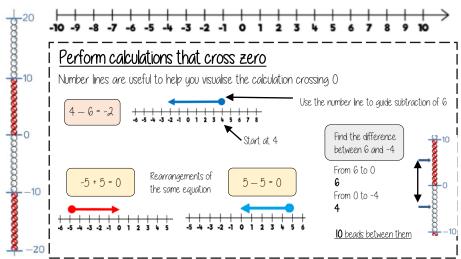
Product: multiply terms

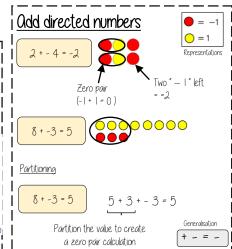
Inverse: the opposite function

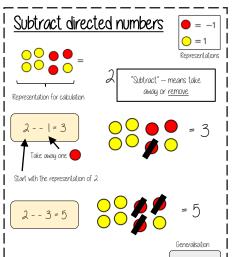
Square root: a square root of a number is a number when multiplied by itself gives the value (symbol , ,)

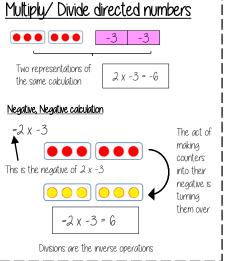
Square: a term multiplied by itself.

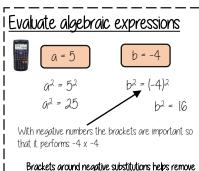
Expression: a maths sentence with a minimum of two numbers and at least one math operation (no equals sign)

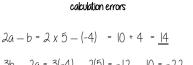


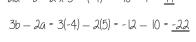


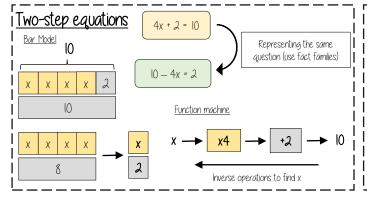


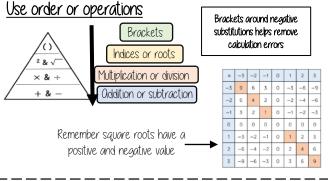












YEAR 7 — LINES AND ANGLES

@whisto maths

Geometric reasoning

What do I need to be able to do?

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

- Understand/use the sum of angles at a point
- Understand/use the sum of angles on a straight line.
- Understand/use equality of vertically opposite anales
- Know and apply the sum of angles in a triangle
- Know and apply the sum of angles in a quadrilateral

Keywords

Vertically Opposite: angles formed when two or more straight lines cross at a point.

Interior Ongles: angles inside the shape

Sum: total, add all the interior angles together

Convex Quadrilateral: a four-sided polygon where every interior angle is less than 180°

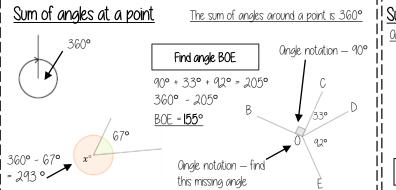
Concave Quadrilateral: a four-sided polygon where one interior angle exceeds 180°

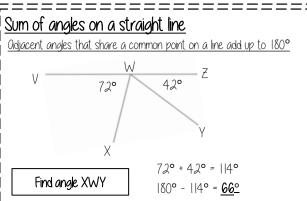
Polygon: 0 2D shape made with straight lines

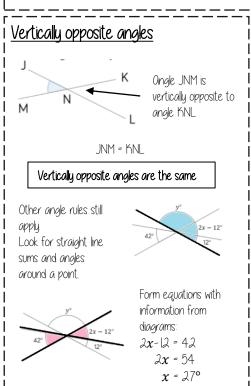
Scalene triangle: a triangle with all different sides and angles

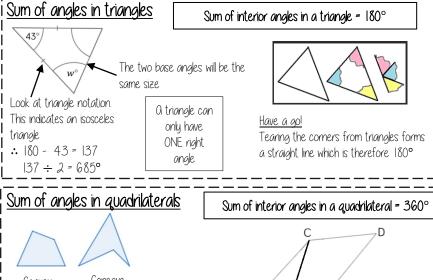
I | Isosceles triangle: a triangle with two angles the same size and two angles the same size

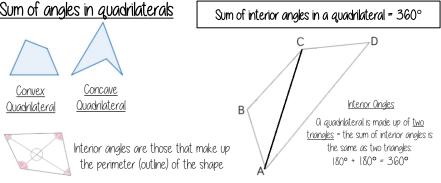
I | Right-angled triangle: a triangle with a right angle

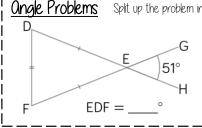












Split up the problem into chunks and explain your reasoning at each point using angle notation

l Ongle DEF = $5\,\mathrm{l}^\circ$ because it is a vertically opposite angle DEF = GEH

- 2. Triangle DEF is isosceles (triangle notation) \div EDF = EFD and the sum of interior angles is 180° $180^{\circ} 51^{\circ} = 129^{\circ}$ $129^{\circ} \div 2 = 645^{\circ}$
- 3. Ongle EDF = 64.5°

Keep working out clear and notes together

YEAR 8 - DEVELOPING GEOMETRY

@whisto_maths Ongles in parallel lines and polygons

What do I need to be able to do?

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

- Identify alternate angles
- Identify corresponding angles
- Identify co-interior angles
- Find the sum of interior angles in polygons
- Find the sum of exterior angles in polygons
- Find interior angles in regular polygons

Keywords

Parallel: Straight lines that never meet

Onale: The figure formed by two straight lines meeting (measured in degrees)

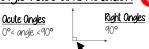
Transversal: O line that cuts across two or more other (normally parallel) lines Isosceles: Two equal size lines and equal size angles (in a triangle or trapezium)

Polygon: a 2D shape made with straight lines

Sum: Oddition (total of all the interior angles added together)

Regular polygon: All the sides have equal length; all the interior angles have equal size.

Basic anale rules and notation 🕡





Reflex

90°< angle <180°

180°< angle <360°



Right angle notation

Onale Notation: three letters ABC This is the angle at B = 113 ° Line Notation: two letters EC The line that joins E to C.

The letter in the middle is the anale

The arc represents the part of the angle

Vertically opposite angles Equal

Ongles around a point



Corresponding angles often identified by their "F shape" in position

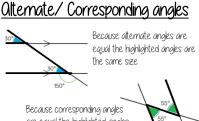
straight lines, around a point and vertically oppositell

(lines that bisect the parallel lines)

Lines OF and BE are transversals

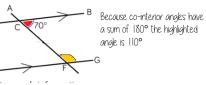
Olternate angles often identified by their "Z shape" in position

This notation identifies parallel lines



are equal the highlighted angles are the same size

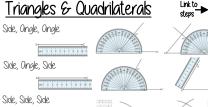
Co-interior anales



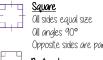
Os angles on a line add up to 180° co-interior angles can also be calculated from applying alternate/corresponding rules first

Ш

Trianales & Quadrilaterals



Properties of Quadrilaterals



Opposite sides are parallel Rectanale

Oll angles 90° Opposite sides are parallel

Rhombus

Oll sides equal size Opposite angles are equal

Opposite sides are parallel Opposite angles are equal Co-interior angles

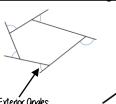
Trapezium

One pair of parallel lines

Kite

No parallel lines Equal lengths on top sides Equal lengths on bottom sides One pair of equal angles

Sum of exterior angles



at the side of the shape

Exterior Onale

|| Exterior Ongles Ore the angle formed from Interior angle the straight-line extension

Exterior angles all add up to 360°

Interior angle + Exterior angle = straight line = 180° Exterior angle = 180 - 165 = 15°

Number of sides = 360° ÷ exterior angle Number of sides = 360 ÷ 15 = 24 sides

Sum of interior anales

Interior Ongles

The angles enclosed by the polygon

This is an irregular polygon — the sides and angles are different sizes

(number of sides - 2) x 180

Sum of the interior angles = $(5 - 2) \times 180$ This shape can be made from three triangles Each triangle has 180°

Sum of the interior angles = 3×180

= 540°

Remember this is all of the interior angles added together

Missing angles in regular polugons

Using exterior angles



Exterior angle = $360 \div 8 = 45^{\circ}$ Interior angle = $(8-2) \times 180 = 6 \times 180 = 135^{\circ}$

Exterior angles in regular polygons = $360^{\circ} \div \text{number of sides}$

Interior angles in regular polygons = $(number of sides - 2) \times 180$ number of sides

YEAR 8 - REASONING WITH DATA... Measures of location

@whisto maths

What do I need to be able to do?

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

- Understand and use mean, median and mode
- Choose the most appropriate average
- Identify outliers
- Compare distributions using averages and

Keywords

Spread: the distance/ how spread out/ variation of data

Overage: a measure of central tendency — or the typical value of all the data together

Total: all the data added together

Frequency: the number of times the data values occur

Represent: something that show's the value of another Outlier: a value that stands apart from the data set

Consistent: a set of data that is similar and doesn't change very much

Mean, Median, Mode

The Mean

a measure of average to find the central tendency... a typical value that represents the data

24, 8, 4, 11, 8,

Find the sum of the data (add the values) 55

Divide the overall total by how many pieces of data you have

Mean = 11

 $55 \div 5$

The Median

The value in the center (in the middle) of the data

24, 8, 4, 11, 8,

Put the data in order

Median = 8

4, 8, 8, 11, 24

Find the value in the middle

4, 8(8) 11, 24 NOTE: If there is no single middle value find the mean of the two

The Mode (The modal value)

This is the number OR the item that occurs the most (it does not have to be numerical)

24, 8, 4, 11, 8,

This can still be easier if it the data is ordered first

4. 8. 8. 11. 24

Which average best represents

the weekly wage?

Mode = 8

Choosing the appropriate average

The average should be a representative of the data set — so it should be compared to the set as a whole - to check if it is an appropriate average

Here are the weekly wages of a small firm

£240 £240 £240 £240 £240 £260

£260 £.300 £.350 £.700

The Mean = £307

The Median = £250

The Mode = £240

Put the data back into context

Mean/Median — too high (most of this company earn £240)

Mode is the best average that represents this wage

It is likely that the salaries above £240 are more senior staff members — their salary doesn't represent the average weekly wage of the majority of employers

Identify outliers

Outliers are values that stand well apart from the rest of the data

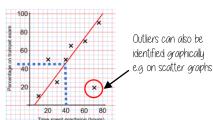
Outliers can have a big impact on range and mean. They have less impact on the median and the mode

Height in cm 152 150 142 158 182 151 153 149 156 160 151 144

Where an outlier is identified try to give it

some context. This is likely to be a taller member of the group. Could the be an older

student or a teacher?



Sometimes it is best to not use an outlier in calculations

Outliers can also be identified graphically

11 Comparing distributions

Comparisons should include a statement of average and central tendency, as well as a statement about spread and consistency.

Here are the number of runs scored last month by Lucy and James in cricket matches

45, 32, 37, 41, 48, 35 Lucu: 60, 90, 41, 23, 14, 23 James:

Mean: 39.6 (Idp), Median: 38 Mode: no mode, Range: 16

Mean: 418 (1dp), Median: 32, Mode: 23, Range: 76

"James is less consistent that Lucy because his scores have a greater range. Lucy performed better on average because her scores have a similar mean and a higher median"

extreme values that have a big impact on the range

James has two

Geography - Year 7 Term 1 —Basic Geography and Map Skills

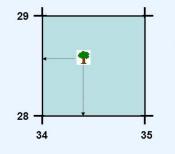
Key Term	S
Human Geography	The study of how humans affect, or are affected by, the earth.
Physical Geography	The study of the natural features of the earth.
Ocean	A very large expanse of sea.
Continent	Any one of seven large land masses of the Earth.
Country	A nation with its own government, occupying a particular area.
Compass	An instrument showing the direction of north using a magnet.
Grid reference	A map reference indicating a location in terms of a series of vertical and horizontal grid lines identified by numbers or letters.
Contour lines	A series of lines on maps which connect areas of the same height.
Ordnance Survey (OS)	A national mapping agency in the United Kingdom which covers the island of Great Britain.
Plan	A detailed map of an area.
Scale	The link between a distance on a map and the distance on the ground.





Six-figure grid references

Six-figure grid references are used to locate objects or places <u>within</u> a grid square and so are much more accurate than **four-figure grid references**. In order to use six-figure grid references, you need to use the numbers on the grid lines <u>plus</u> an **estimate** of where an object is located <u>within</u> the grid square.



In this example, the tree symbol is located at **344286**.

Let's see how that works in a bit more detail....



Year 7 English Term 1: Gothic Writing Knowledge Organiser

			Key Writing Techniques
1	Ambitious Adjectives		Use a range of adjectives in your writing to help make your description strong and effective.
2	Foreshadow	ing	A literary device where the writer hints at events to come in the story or plot.
3	Metaphor		A figure of speech when you say something is something else. <i>E.g. Ronald is a walking dictionary.</i>
4	Long and sh sentences	ort	Use a mixture of long and short sentences in your writing. Short sentences are good for fast and action sequences. Long sentences are good for detailed descriptions and building suspense.
5	Pathetic fall	асу	A technique when the writer gives human emotions to inanimate objects usually in nature. Often used for foreshadowing.
6	Personificat	ion	Giving human qualities to objects or ideas. E.g. The car danced along the ice.
7	Prepositions	S	Words to connect different nouns and phrases in a sentence – e.g. during, until, before
8	Simile		A figure of speech when you say something is <u>like</u> something else. <i>E.g. Her smile was as bright as the sun.</i>
			Expand your vocabulary
	cribing ement		y, Cautiously, Creepily, Eerily, Furtively, Ominously, Reverently, Suddenly, Surreptitiously, busly, Tentatively.
Desc	cribing nds	Announ	ce, Cackle, Creak, Cry, Gasp, Howl, Intone, Murmur, Shout, Shriek, Whisper
Desc myst	ribing a ery		al, enchantment, ghost, haunted, omens, ominous, portent, preternatural, prodigy, y, secret, spectre, spirits, strangeness, talisman, vision
	ribing fear, or or sorrow	dismay, dismay, la	, affliction, agony, anguish, apprehensions, apprehensive, concern, despair, dismal, dread, dreading, fearing, frantic, fright, frightened, grief, hopeless, horrid, amentable, melancholy, miserable, mournfully, panic, sadly, scared, shrieks, sorrow, ty, tears, terrible, terrified, terror, unhappy, wretched
	ribing	alarm, aı	mazement, astonished, astonishment, shocking, staring, surprise, surprised,
surpr			struck, wonder
Desc or sp	ribing haste eed		breathless, flight, frantic, hastened, hastily, impatience, impatient, impatiently, sity, precipitately, running, sudden, suddenly
	ribing anger	anger, a	ngrily, enraged, furious, fury, incense, incensed, provoked, rage, raving, resentment, wrath, wrathful, wrathfully
Desc large	ribing ness	enormo	us, gigantic, giant, large, tremendous, vast
Desc darkr	ribing ness	dark, dai	rkness, dismal, shaded, black, night

		Key Words
1	Antagonist	A central character who opposes, or is hostile to, something.
2	Antihero	A central character who lacks typical heroic attributes, such as courage.
3	Claustrophobic	Fear of enclosed or small spaces.
4	Climax	The most intense point
5	Dank	Unpleasantly damp and cold
6	Denouement	Resolution or ending to a story
7	Doppelgänger	An apparition or double of someone.
8	Exposition	Background information: setting the scene and introducing characters
9	Ghoulish	Resembling or characteristic of a ghoul (ghost)
10	Macabre	Gruesome, horrifying
11	Menacingly	With menace or threat – the monster stared menacingly at me.
12	Morose	Sad, sullen, ill-tempered
13	Mystery	Something difficult to explain
14	Obscurity	Difficult to understand or see. Something hidden.
15	Ominous	Giving the impression something bad is about to happen
16	Pathetic Fallacy	The environment reflects the atmosphere
17	Petrifying	So frightening that you cannot move
18	Spectre	A ghost
19	Supernatural	Something that isn't scientific/can't be explained
20	Suspense	A feeling of anxious uncertainty
21	Tempest	Storm
22	Trepidation	Feeling anxious or worried about something – e.g. I had a feeling of trepidation











Year 7 Term 3 Knowledge Organiser

Language key terms:

Figurative language:

The use of metaphors, similes and personification to establish mood, atmosphere or character.

Mood:

Influencing how the reader feels when reading the text.

Pathetic fallacy:

Using the weather and setting to help establish or suggest a mood.

Juxtaposition:

Creating a contrast between two characters, settings or images.

Evocative vocabulary:

Words which are chosen to have a specific emotional effect on the reader.

Personification:

The attribution of a human characteristic to something non human.

Onomatopoeia:

Using words which sound like the event they describe – 'smash' or 'clash'.

Sensory language:

Appealing to the five senses within description.

Sibilance:

Using repeated 's' sounds to either create a soothing or threatening tone

Typical Genre Features

- Death and darkness
- Supernatural
- Curses or prophecies
- · Madness and intense emotion/paranoia
- Mystery, terror and suspense

Typical Characters

- Mysterious characters with high social status
- Female or feminine characters that are threatened by powerful men
- Threatening women who are monsters
- Powerful, tyrannical male figures
- Villains, vampires, ghosts, werewolves and giants

Typical Settings

- Wild landscapes
- Medieval style castles, churches or abbeys
- Gloomy, decayed and ruined environments
- Remote, uninhabited places
- Volatile and threatening weather.

Gothic conventions

- The first Gothic novels appeared in the late 18th Century
- Gothic fiction was a branch of the larger Romantic movement that tried to create strong emotions in the reader
- Horace Walpole's The Castle of Otranto is usually regarded as the first 'Gothic' novel
- Gothic' can refer to the type of architecture that was prominent or popular in what is now Germany during the medieval period
- Writers use setting and speech to build suspense
- Common subject matter includes the supernatural, family curses, mystery, madness and death
- Pathetic fallacy is where the weather creates a mood

Gothic movement

- Gargoyles were used as rain spouts to help remove water from roofs, but were used for decorated purposes, too
- Most Gothic buildings were made out of stone blocks and because of this they are often very dark in colour

Gothic writers

- Mary Shelley wrote 'Frankenstein; when she was 18 years old
- Bram Stoker's 'Dracula' has had a huge influence on modern films
- Edgar Allan Poe was a writer of many gothic short stories.
- Charles Dickens was also a writer of 'Great Expectations'
- Susan Hill's 'The Woman In Black' adheres to the gothic conventions
- Emily Bronte creates fear in 'Wuthering Heights'

Your assessments:

How has Stoker created a gothic atmosphere in the extract from 'Dracula'?

Write a gothic short story with the title 'Abandoned'



Values

- Gothic writers are preoccupied with the supernatural, because they believe that not everything has a scientific explanation.
- They believed that nature is 'sublime': it has the power to simultaneously inspire awe and terror in people.
- They challenged society's expectations about propriety and emotion. To show wild emotion was seen as impolite, but not to the Gothic writers, who often depicted passion and rage.
- They explored the role of the female characters: often in gothic texts, there are powerful female roles, which contrasted contemporary society.
- They were very interested in the psychological exploration of characters, particularly in relation to the theme of madness.

Keywords

- Dilapidated of a building or object, in a state of disrepair or ruin.
- Sinister giving the impression that something harmful or evil is or will happen.
- Grotesque repulsively ugly or distorted.
- Afflicted of a problem or illness, cause pain or suffering.

CHAPTER 1:

CREATION AND COVENANT

Knowledge organiser

Key vocabulary	
God	The one supreme being, who creates and sustains everything.
revelation	The way in which God is made known to humans, which Catholics believe is most perfectly done through Jesus.
literal sense	The meaning of the text as the author intended it to be; this is different to reading a passage literally which means accepting it as word-for-word truth.
literary form	The style of writing used, for example a letter or a poem.
creation	The act of bringing something into existence; or the universe and everything in it (which Catholics believe God created).
creationism	The belief that the Bible accounts of creation are literally true.
scientism	The belief that science can provide all of the answers in life.
prayer	The way in which humans communicate with God.
stewardship	The duty to care for something. Catholics believe that God gave them the duty to care for the earth and everything in it.

OPTIONS	
Ethical	Sustainable development is trying to live in a way which prevents harm to the environment and prevents the earth's resources running out. Catholics support sustainable development because caring for the environment is part of their duty as stewards of creation.
Lived religion	Sister Dorothy Stang worked to protect the Amazon rainforest and help bring settler farmers together to give them greater power in challenging deforestation. She did this because she believed that God gave all humans the duty to be stewards of creation.
Artistic expression	Art is often used in religion to express complicated beliefs. For example, Donald Jackson's <i>Genesis Frontispiece</i> , from the St John's Bible, shows the first creation story. Each column in the artwork illustrates one day of creation.

The Bible

The Bible is the holy book for Christians. It contains God's Word.

• The Old Testament is the part of the Bible written before Jesus' life, and contains the history and faith of the Jewish people..



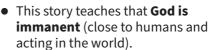
- The New Testament is the part of the Bible written after Jesus' life, and contains accounts of the life, death and resurrection of Jesus and the early history and faith of the Church.
- For Christians, the Bible is a form of **revelation** as they believe it is how God speaks to them.
- Catholics believe the Bible is **inspired**, meaning the Holy Spirit guided human writers to write down the truth from God.
- Most Catholics do not read the Bible literally. Instead they aim to understand the **literal sense** of the Bible (the message that God wanted to communicate to them).

Stories from Genesis

Catholics believe that **God created all life** and everything that is created comes from God alone.

- In the first creation story
 God creates the universe and
 everything in it over six days;
 God creates using spoken
 word; God creates ex nihilo
 (out of nothing).
- (out of nothing).
 This story teaches that God is eternal
 (exists beyond time and has no beginning or end);
 transcendent (outside of space and time); and
 omnipotent (all powerful).
- It teaches that creation is good.
- It teaches that humans are created imago Dei; they have a responsibility to be stewards of creation; they have been created good.
- Catholics interpret this as a symbolic story to help answer the questions 'Where did the world and everything in it come from?' and 'Why are we here?'

In the second creation story
 God orders chaos and creates
 harmony; man is created by God
 from the earth and God breathes
 life into him; woman is created
 by God from man's rib.





- It teaches that creation is lovingly made for humans to live together in a relationship with the world and with each other.
- It teaches that humans have a responsibility to be **stewards** of creation.
- Catholics interpret this as a symbolic story to help answer the question 'What is our purpose?'

Scientific theories about creation

- The Big Bang theory says that the universe began around 15 billion years ago from a hot, dense point of energy.
- The theory of evolution suggests that all living things change over many generations to suit their environment, and that this happens because of natural selection.

Most Catholics are not creationists. Instead they believe there is no conflict between science and religion since **science tells us** *how* life exists and **religion tells us** *why* life exists.

How do teachings about God's role in creation impact Catholics today?

- The Catholic Church teaches that we should try to reduce human suffering and increase cooperation and friendship between all people (Catholic Social Teaching).
- The four core principles of Catholic Social Teaching are: the dignity of the human person, the common good, subsidiarity, and solidarity.
- Catholics believe they have a duty to care for the world and everything in it (stewardship).
- Pope Francis describes stewardship as responding to 'the cry of the earth and the cry of the poor' (Laudato si').
- **Prayer** is the way in which people communicate with God. It is a response to God's **revelation**.
- When Catholics pray, they lift their hearts and minds to God. It is a way of walking with God throughout their lives.

CHAPTER 2:

PROMISE PROPHECY AND Knowledge organiser

ney vocabulary	
revelation	The way in which God is made known to humans, which Catholics believe is most perfectly done through Jesus.
Dei Verbum	The Latin phrase for 'Word of God'; also a document from the Second Vatican Council explaining how Jesus is the Word of God.
scripture	The holy book(s) of a religion; in Christianity it is the Bible.
tradition	Also known as Apostolic Tradition, these are actions and teachings of Jesus faithfully passed on from one generation of bishops to the next.
magisterium	From the Latin term <i>magister</i> , meaning teacher or master; it is the authority of the Church to teach.
inspired	'God breathed'; the belief that the Holy Spirit guides an individual to act or write what is good and true.
canon	the agreed list of books that make up the Catholic Bible
Old Testament	The books of the first half of the Bible showing the creation of the world and God's relationship with the Jewish people.
New Testament	The books of the second half of the Bible which tell the story of Jesus' life, ministry and death, and the establishment of the early Church.
Hebrew, Aramaic, Greek	Languages spoken in the area where Jesus grew up; some books of the Bible were written in these languages.
Tanakh	The Jewish Bible.
Liturgy of the Word	The part of Mass where the word of God is proclaimed (announced).

OPTIONS	
Artistic expression	Art is often used in religion to express s
	an ancient and beautiful handwritten billuminated Gospels.
Lived religion	Biblical idioms have developed over ti
	everyday language in the UK. Their pre influential the Bible has been in the UK
	enhance everyday language and to exp
	in a more interesting way.

The Bible

- Bible references are made up of book, chapter and verse. They help Catholics to find specific passages.
- and Greek), as most people do not speak these The Bible is read in translation, which means that it is not usually read today in the original languages it was written in (Hebrew, Aramaic languages now. •
- inspired by the Holy Spirit, so the true author Catholics believe the Bible's writers were of the Bible is God.
- The Bible is like a library of books as it is made up of many smaller books. It has around 40 different authors, with their own backgrounds and literary forms.
 - The Tanakh (the Jewish Bible) and the **Old Testament** share many of the same books, however Jews and Christians arrange and interpret them differently.



How is God's message revealed to Catholics?

Scripture

The Bible is also known as sacred scripture. Christians	sacred scripture. Christians
believe it is how God reveals information that will aid	als information that will aid
humanity's salvation.	

- Together, the Old Testament and New Testament explain the history of salvation
- The Old Testament reveals prophecies about Jesus and key information about God's plan for salvation. In the New Testament, the prophecies and promises in the Old Testament are fulfilled through Jesus.

'intrinsic value', meaning that it is essential and valuable The Catechism teaches that the Old Testament has in its own right.

on the sanctity of life, the sacraments,

the Creeds and the Mass.

Tradition has developed teachings

Church grows and changes, so does

tradition.

Tradition is alive, therefore as the

Pentecost. This gave them authority.

and actions of the apostles, who

were given the Holy Spirit at

Tradition comes from the words

Both are seen as the word of God.

Dei Verbum 9 teaches that sacred

Tradition

tradition is just as important to

Catholics as sacred scripture.

Catholics believe scripture is without error, which means that through it God speaks to humans and gives them key messages about salvation.

The magisterium

This authority is passed down to every Pope and the bishops, Church, which has been given to the Pope and the bishops so they can faithfully and authoritatively teach Catholics how to • The magisterium is the **teaching authority** of the Catholic The authority was given to St Peter and the apostles who founded the early Church and started sacred tradition. who use it to teach the word of God.

follow the word of God.

•

How is scripture used by Catholics today?

scripture in a beautiful

book that contains the

ook of Kells, which is

ime to become part of

sence reflects how C. They are used to

- In the Liturgy of the Word, Catholics hear Bible readings that The Catholic Church uses scripture as the foundation of Mass. help them to feel closer to God and to understand what God expects of them. •
- Catholics use scripture in prayer, for example in the Rosary, which is connected to key events in the Gospels. Catholics meditate on events in the Gospels when they pray the Mysteries of the Rosary.

press deeper meanings

