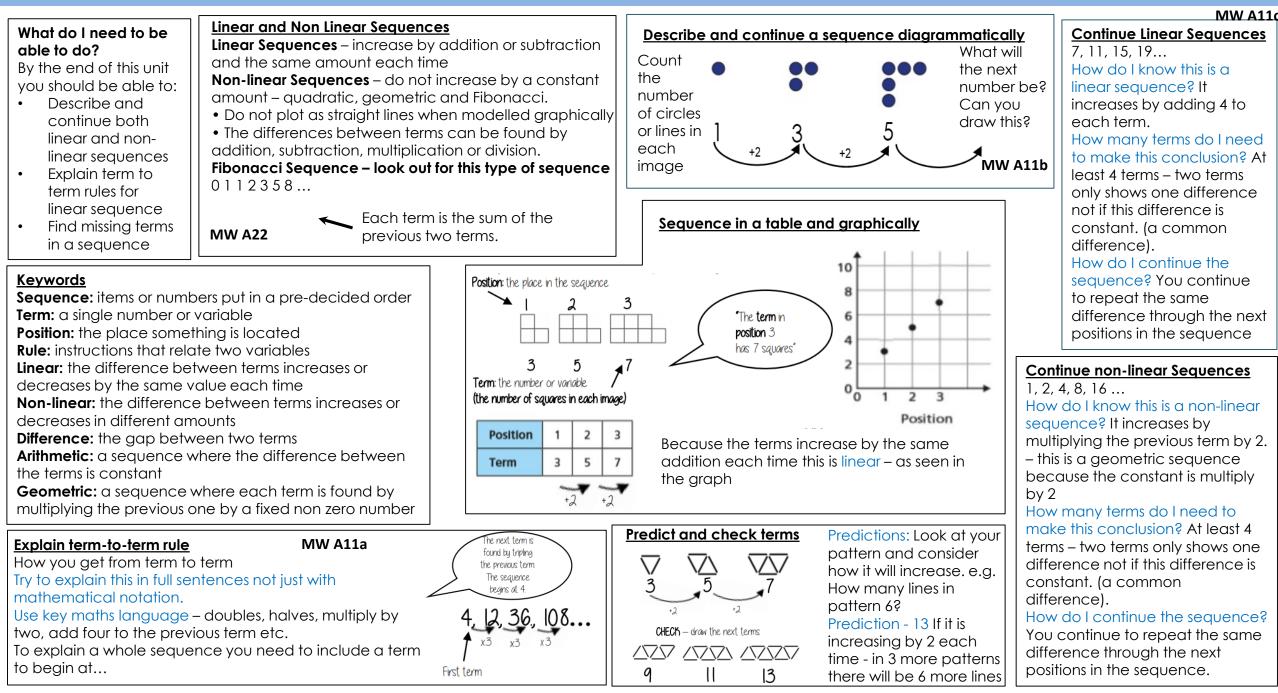
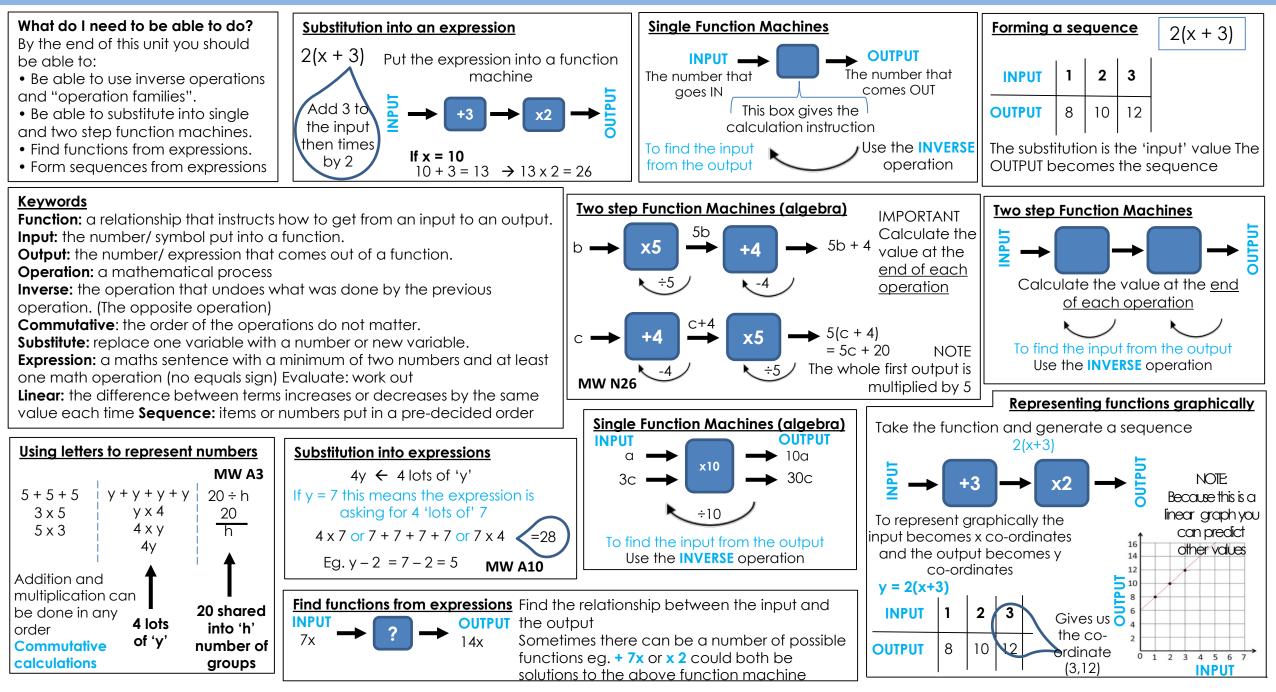
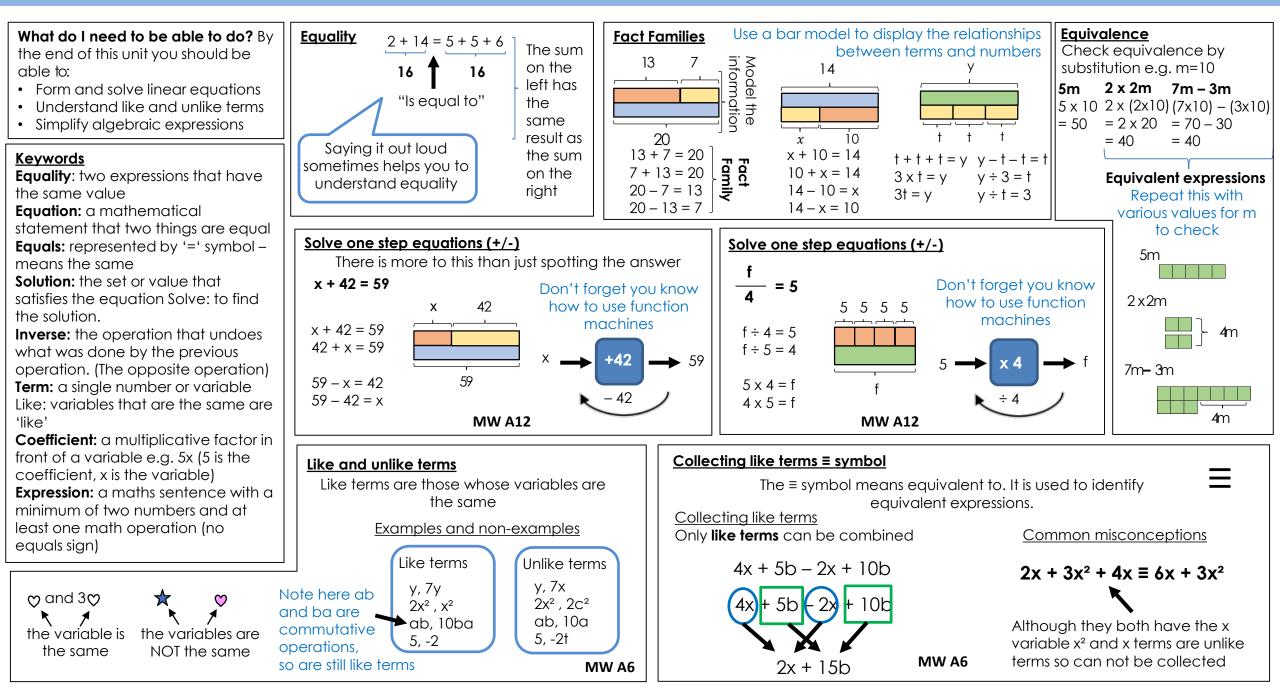
Year 7 Mathematics Term 1 Knowledge Organiser Algebraic Thinking – Sequences

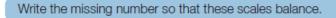


Year 7 Mathematics Term 1 Knowledge Organiser Algebraic Thinking – Understand and Use Algebraic Notation



Year 7 Mathematics Term 1 Knowledge Organiser Algebraic Thinking – Equality and Equivalence





40

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35

35

Simplify these expressions.

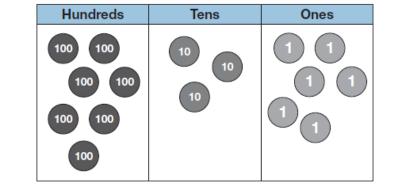
a + a + a

e + f + e + f

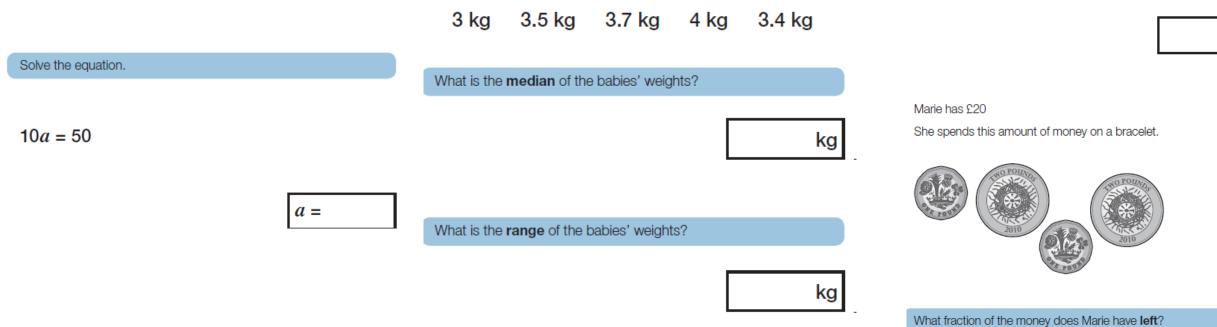
5d - 2d

Here are the weights of five babies.

Samira represents a number on a place value grid.



What is Samira's number rounded to the nearest ten?



Write your answer in its simplest form.

Year 7 GCSE Science Autumn Term Knowledge Organiser - Cells

Key Vocabulary:			Asking Questions and Cells	Specialized Cells and Microscopes
1	Hazard	Something that can cause harm	Science is about a) observing the world (watching and listening)	17Specialised CellsSperm cells: Their function is to swim to the egg cell for fertilisation. The structure that helps them to do this is a tail
2	Risk	The harm that might happen to you or someone else	 b) asking questions about nature and how the world works c) coming up with ideas and explanations that explain what we see 	for swimming
3	Precaution	What you do to prevent a hazard from causing harm	 d) testing our ideas to see if they are true e) using our knowledge and skills to solve problems and improve lives 	Neurons (nerve cells): Their function is to send messages to control the body. The structure that helps them to do this is a
4	Nucleus	Controls the cells activities because it contains DNA	 A scientific question is one that a) Can be answered b) Can be tested or measured 	long axon and connections at the end
5	Cell Membrane	Controls what enters and leaves the cell	14 Living Organisms • Living things are called organisms	Palisade cells: Their function is to take in lots of sunlight (for photosynthesis to make food). Their structure helps them to
6	Cytoplasm	A jelly-like substance where reactions happen	 All organisms carry out the 7 life processes: movement, respiration, sensitivity, growth, reproduction, excretion and nutrition 	do this as they have lots of chloroplasts
	Mitochondri a	Where aerobic respiration takes place	All living things are made of cellsUnicellular organisms are made of only one cell e.g.	Root hair cells: Their function is to take in lots of water. To
7	Cell Wall	Surrounds plant cells and provides strength and support	 bacteria Multicellular organisms are made of many cells e.g. humans 	help them to do this, their structure consists of a large surface area to take water in
8	Chloroplast	Where photosynthesis take place to make food (glucose) for the plant and contain chlorophyll to absorb sunlight	15 Animal Cells	18 Microscopes
			Cytoplasm Nucleus	A microscope is used to make something small appear
9	Vacuole	Contains a liquid that stores substances for the cell and keeps it rigid	Cell membrane Mitochondria	 much larger. To calculate the magnification of an image seen under the microscope, this equation can be used: Magnification = eveniese magnification x objective lens
10	Specialised Cells	Different structures that let them carry out their function	16 Plant Cells	magnification
11	Microscope	Eyepiece lens Arm Coarse focus wheel Fine focus wheel	Chloroplast Vacuole Cell membrane Cytoplasm Nucleus Mitochondria	 Organisation A group of the same cells working together is called a tissue A group of tissues working together for the same function is called an organ A group of organs working together for the same function is called an organ system There are many organ systems in the human body including: respiratory, excretory, nervous, muscular, circulatory, skeletal and digestive

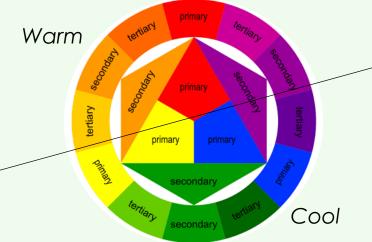
Year 7 Science Knowledge Organiser - Forces

Key Vocabulary:		18	Forces	20	Interaction Pairs	
1 2 3	Air resistance Contact Deformation	A force that acts in the opposite direction to motion. When two objects touch each other to cause a reaction. When a force changes the shape of an	1. 2.	A force is an interaction (e.g. a push, pull or twist) between 2 objects. A force can change an object's shape, speed or direction.	1. 2. 3.	Forces <i>always</i> act in interaction pairs. Interaction pairs act on 2 different objects. If A exerts a force on B, then B exerts a force on A. The forces are equal in size but opposite in direction.
5	Derormation	object.	3. 4.	Forces are either contact or non-contact Contact forces need the objects to be touching.	21	Deformation
4	Drag	A force of resistance that opposes motion in fluids and includes air resistance and water resistance.	4. 5.	Examples of contact forces include: drag forces, friction, air resistance, tension and normal contact forces.	1. 2.	Changing the shape of an object can be called deformation. The extension of a spring is an example of
5	Extension	The difference between the original length of an object and its length after it has been stretched.	6.	Non-contact forces can act at a distance. They do not need the objects to be touching.	3.	deformation. The extension of a spring = final length- original length.
6	Force	A push, pull or twist that can change the shape, speed or direction of an object.	7. 8.	Examples of non-contact forces include: gravity, electrostatic attraction and magnetism. Forces have size and direction.	4. 5.	The extension of spring can be measured when different weights are added. The extension is larger when more weight is
7	Free-body force diagrams	Diagrams that are used to show how forces act on an object.	9.	Forces acting on one object are represented by free- body force diagrams using arrows to show the direction and size.		added.
8	Friction	The resistance to motion of between two surfaces			6.	If too much force is added, then a spring does not
9	Gravity	A force of attraction that acts		Gravity	0.	return to its original shape. The spring has reached its
		between all objects with mass.	19	Balanced and Unbalanced Forces		elastic limit.
10	Interaction	When forces or objects affect one another.				
11	Lubricant	A substance that can be used to reduce friction.	1.	Forces are balanced <i>only</i> when forces acting on the same object are equal in size but opposite in direction.	22 1.	Drag Forces & Friction Drag forces occur in fluids. Fluids are liquids and gases.
12	Magnetic	A force caused by magnets.	2.	An object's motion or shape does not change if the forces are balanced.	1.	Drag forces include water resistance and air resistance.
13	Non-contact	A force that acts on an object without coming physically in contact with it.	3. 4.	Unbalanced forces change an object's shape, speed or direction. The unit of force is Newton (N).	3.	Friction occurs between solids. Drag forces and friction are caused by interaction of 2 objects moving or trying to move over one another.
14	Opposing	To work against each other.	5.	The resultant force on an object is the net force or the	4.	Drag forces and friction act in the opposite direction to motion.
15	Resultant force	The net force or the overall effect of all the forces acting on an object.	6.	overall effect of all the forces acting on an object. When forces are balanced the resultant force is 0N.	5.	To move a block along a surface, the forces need to be unbalanced. The pulling force needs to be just bigger
16	Tension	A force exerted on a rope, chain, string or cable.	7 \4	Resultant force = 30 N - 30 N = 0 N		than friction.
17	Water resistance	A type of force that acts in the opposite direction to motion on objects that are moving through water	7. w ON.	/hen the forces are unbalanced the resultant force is not 30 N $50 NResultant force = 50 \text{ N} - 30 \text{ N} = 20 \text{ N right}$	6. 7.	Rougher surfaces generate more friction than smoother surfaces. Friction is reduced by adding a lubricant.

Year 7 ART HT1 Knowledge Organiser

Colour Theory

- **Primary** colours R B & Y
- Secondary colours G P & O
- Primary colours are mixed together to make secondary colours
- Primary colours cannot be mixed.



- B + R = Purple
- Y + R = Orange
- B + Y = Green
- The colour wheel is split into two halves: warm and cool colours.
- Harmonious colours look well together and are pleasing to the eye. These are next to each other on the colour wheel.
- **Complementary** colours are opposite each other – these are not so pleasing to the eye.

<u>Keywords</u>

Formal Elements - The parts used to make a piece of artwork.

Line - Line is the path left by a moving point. 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.

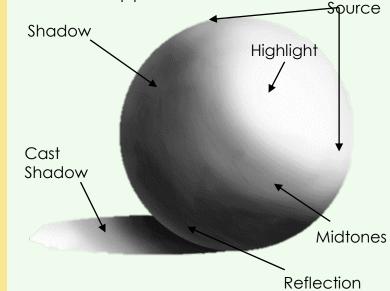
Tone - This refers to the lightness or darkness of something.

Technique – The way tools and media are used to create an artwork.

Space – This refers to the emptiness or area between, around, above, below, or within objects.

Tone

 In art and design, tone refers to how light or dark something is.
 Tones could refer to black, white and the grey tones between. It could refer to how light or dark a colour appears.



- In real life tone is created by the way light falls on an object.
- The parts of the object on which the light is strongest are called **highlights** and the darker areas are called **shadows**.

Year 7 ART HT1 Knowledge Organiser

Key words

Composition – The arrangement and layout of elements within a work of art.

Still life - A work of art featuring an arrangement of inanimate, everyday objects, often flowers or fruit.

Abstract - Abstract art is modern art which does not represent realistic images of our everyday world.

Patterns – A design in which lines, shapes, forms or colours are repeated.

Landscape - the depiction of natural scenery in art.

Man-made – Something which was created by humans.

Carolee Clark is an

artist best known for her vibrant use of colour. Her subject matter tends to be common scenes, such as landscapes and food. She primarily uses acrylic paints.



Observational Drawing tips

Observe – Look at what you are drawing.

Understand perspective and proportion.

Keep the outlines light.

Use a good range of tone.

Use mark-making to create texture,



even-hald hereneld here wella here hald here wella here wella here hald here wella here hald here wella here hald here h

Mark-making

This describes the different lines,

dots, marks, patterns, and textures we create in an

artwork. It can be loose or neat.

WAGOLLS

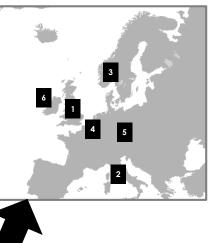






Year 7 History Term 1 Knowledge Organiser: Migration

	PLACE	PEOPLE
]	Manchester	Brigantes
2	Italy	Romans
3	Norway	Vikings
4	Flanders	Flemish Weavers
5	Bavaria, Germany	Nathan brothers
6	Ireland	Irish
7	Jamaica	Euton Christian



2

EVIDENCE	clues or information about the past.
INFERENCE	a guess based on evidence. Reading between the lines
CHRONOLOGY	the sequence of events in time.
HISTORICAL SIGNIFICANCE	Explaining what makes past events important.
MIGRATION	movement of people to a new area or country.
MIGRANT	Someone who moves from one place to another to live.
PUSH FACTOR	something that forces people to move away from the place they are in.
PULL FACTOR	something that attracts people to a new place.
SYNAGOGUE	a Jewish place of worship.
FAMINE	an extreme shortage of food.
RACISM	when people are treated unfairly because of their skin colour or background
COLOUR BAR	when people were banned because of the colour of their skin. For example; jobs, housing, bars etc.

TIMELINE OF MIGRATION TO MANCHESTER



Year 7 Subject Term Knowledge Organiser: Computing: E-Safety

Password:

Have a password that is six or more characters long Include upper and lower letter case letters Include numbers Avoid information that may be easy to guess e.g. pet name

Email: stands for "electronic mail" This is when a message is sent from one computer to another, usually over the internet.

Netiquette is the term for how you should behave when sending emails and using the internet.

Social media:

interactive technologies that allow the creation and sharing of information, ideas, career interests, and other forms of expression via virtual communities.

Digital footprint:

A trail of information and data that you create whilst you are surfing the internet. If you post any updates on social media, pictures, or

videos then you are creating a 'data trail'.

Personal data:

This is any information related to an individual person. Examples include name, address, date of birth, email address

An Internet Troll

People who leave intentionally provocative or offensive messages on the internet in order to get attention, cause trouble or upset someone.

Cyberbullying

This is a form of bullying through mobile phones and the internet. This includes malicious text messages, "happy slapping", sending nasty or threatening messages on websites and chat rooms and setting up fake accounts on somebody else's behalf.

Staying Safe Online:

- 1) Think Before you post
- 2) Keep your Personal Data safe/Check your privacy settings
- 3) Never give out your password
- Don't accept a friendship request from someone you don't know

A Virus

A Virus is a program that "infects" your computer. It harms your computer in some way, usually by deleting or altering files and stopping programs from running.

Anti Virus Software

Antivirus software acts as a "vaccine" against virtual viruses. It can identify and eliminate the threat before you were even aware of it

Phishing Scams

When people send you phony emails, pop-up messages, social media messages, texts, calls, or links to fake websites in order to hook you into giving out your personal and financial information.

Objective

The objective of dodgeball is to eliminate all players of the opposing team by throwing one of four game balls and hitting the opposing player below the shoulders.

RULES OF THE GAME Starting a Game Each team starts with ONE (1) ball and then there are TWO (2) balls evenly spread on the centre line at the beginning of each game. It is a sprint to the TWO (2) balls once the play begins. There is a five

A player is out if:

- They throw a ball that is caught by the other team
- They get hit by a ball thrown by the other team Players may use the ball to block;

however, if the ball is knocked out of their hand while blocking, they will be out.

• They cross the centre line.

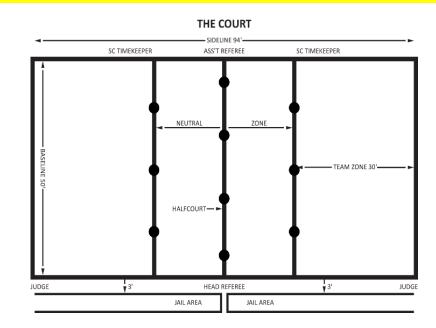
A player is not out if:

- Their ball is caught off the wall or
- They get hit above the shoulders

The centre line is the off sides line. If any part of your foot or body touches the centre line, you will be declared out and thrown ball will be dead.

No player can hold the ball for longer than 5 seconds

Players are expected to be honest and take themselves out when the time comes. Once a player is out, they must stand out in order as if a player on their teams catches a ball they can return to play



Key Words

Spatial Awareness	Spatial awareness is the ability to see and understand two or more objects in relation to each other and to one's body in terms of space and distance.
Tactics	Tactics are a plan or strategy put into place to allow the best outcome for an individual or team in sporting competition
Formation	A formation are the positions players of a team are put into during a competitive match. There are different formations depending on your strategy
Leadership	The ability to lead a team and be a role model to your team mates. Communicate strategies and tactics in a way that motivates team members.
Accuracy	How precise a pass, shot or throw is when aiming for a specific target.
Technique	Technique is skill and ability in a sporting or other practical activity that you develop through training and practice.

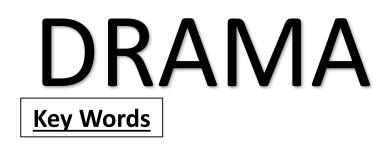
Year 7 Drama HT1 Knowledge Organiser

Summary of topic

Through imaginative process drama learners are engaged through teacherin-role exploration as they become 'experts'. They develop credible characters using role-on-the-wall and hot-seating as they solve the mystery of 'the black cloud' and the secrets that 'The Island' has in store.

Aims of the topic

To be introduced and explore key drama techniques that help develop character, teamwork and imagination.



Thoughttracking one line of speech

Performance A play/drama presented to an audience

Character Another person you play

Props **Object to support** character

The Island Y7 Knowledge Organiser



Audience Devising The people who Act of creating a piece of drama performance

watch a

Freeze Frames

Frozen picture

Imagination Thinking outside of the box

Hot-seating Answering questions in role

Mime Movement no speech

Skills & Definitions

HOT SEATING – Asking interesting questions and answering them in character to discover more about your character FREEZE FRAMES - Frozen images that represent a story/message **ROLE ON THE WALL** – Exercise to get a deeper understanding of a characters feelings, traits and personality **IMPROVISATION** – Drama/Performance made up by yourself.

Assessment & Performance Tips

The assessment is a group devised performance at the end of the first half-term. You will play your expert role to solve the mystery of the black cloud.

- Face the audience at all times
- Speak loud and clear so everyone can hear you
 - Try not to laugh and stay focused
- Bring props and costume in to enhance your character
- Use an accent or voice to differentiate your character from yourself
 - Try your best

	Once by Morris Gleitzmar	n - Knowledge Organiser
Inference : using your own knowledge to work out what is being suggested in the text.	Protagonist : The main character in the story, whose side we are on and whose 'mission' we support.	 Analysing an Extract Write as succinctly as you can, without letting your point get
First Person Narrative: When a character – often the protagonist – is narrating the story using first person pronouns.	Pronoun : A word used to replace a noun for fluency: he / she / they / it / we / I / me / my / you / your	 In lots of wasteful words. Try to embed your quotations: choose the shortest, most precise phrase from the text as you can and try to let it flow naturally in the paragraph you're writing.
Context : Information about the world when a story was written/set and how this has influenced the writer.	Noun : The name of a person, place or thing.	 Zoom in to key words, particularly explaining connotations. Don't rely on knowing what the text means, focus instead on working out what Gleitzman is implying.
Adjective : A word which describes a noun.	Verb : An action or a doing word. Every sentence needs a verb.	 Analysing the Full Text Don't try to quote when you're writing about the full te instead, try to describe a specific moment, scene or event the novel which proves your point. It's important you don't just find yourself retelling the sto instead, after each event you describe, explain and infer whoth the store instead is a specific moment.
Adverb : A word which describes a verb; often ends in -ly (but not always).	Quotation : A short section of a text which you copy – word-forword – in quotation marks to help you prove your point.	
Connotation : Links or associations we have with a word or concept; what it makes you think of.	Subject : The person/thing in a sentence completing an action; all sentences need a subject.	 you think Gleitzman was trying to imply or suggest. Remember the context and what you think Gleitzman was trying to say about the Holocaust and, most importantly, why.
Imagery: When the writer describes something in detail so it makes a clear image in your mind. Rhetorical question: A question	Dramatic Irony: When the character in the story understands less about the story than the reader does. Omissive Apostrophe: An	 <u>Creative Writing</u> You can control the mood and tone of your writing by choosing vocabulary with the right connotations. Imagery creates a powerful image in the reader's mind if you
which does not require an answer; often an obvious answer, or can show hesitance or self-doubt.	apostrophe used to show a contraction of two words into one: do + not = don't	write in enough detail; consider what you can see (visual imagery), hear (auditory imagery), smell (olfactory imagery), taste (gustatory imagery), and touch (tactile imagery).
Possessive Apostrophe: An apostrophe used to show something belongs to someone.	Plot: The order in which the writer <i>plots</i> the storyline in a novel.	 It's important to understand the features of different writing formats: a newspaper will have temporal phrases, a largely chronological order, a headline and a strapline and will be written in prose.
Climax: The most tense moment of the story, where the plot starts to move towards resolving.	Reliability of Narrator: Whether or not the reader can trust the narrator's telling of the story.	 Proof reading is a key skill; no writer publishes their first draft of anything! Check your punctuation, particularly apostrophes, capital letters and that your sentences are complete.

Year 7 PE Knowledge Organiser- Striking and Fielding

Key Vocabulary			
Batting	The order that the batsmen will		
order	play in: the strongest go first.		
Body	How the batsman or fielder		
position	coordinates their body to strike or		
position	field effectively.		
	Deciding on a tactic or action that		
Defensive	prevents the other team from		
	scoring.		
Field	Where the fielders are positioned		
placement	to be most effective.		
Innings	The period of time when one team		
minigs	are batting.		
Long	A fielding technique to stop a low		
barrier	or rolling ball.		
	Deciding on a tactic or action that		
Offensive	is designed to give your team the		
	best chance of scoring.		
Over	6 balls bowled by the same bowler		
Over	from one end of the pitch.		
Stance	How the batter positions their		
Stance	body to strike the ball.		
Stroke	The shot that is chosen by the		
SLIDKE	batsman to hit the ball.		
Umpiro	The official who is in charge of the		
Umpire	game.		
Wicket	The set of stumps and bails at each		
TTICKEL	end of the pitch.		

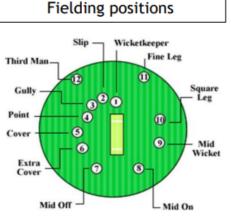
Rules of the Game

Two teams of 11 players each play an innings of batting and bowling. Each innings will be made up of a set number of overs.

The batting team aim to score as many runs as they can by hitting the ball and running between the two wickets.

The bowling team can get the batsmen out by catching a ball that is hit, or by hitting the stumps with the ball before the batsman arrives.

Once the batting team are all out, or all of their overs are used, the teams swap over.



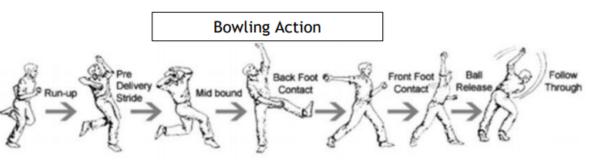
Method of scoring:

Each time the batsman runs between the stumps (swapping with the batsman at the other end), this counts as one run.

If the ball is hit beyond the boundary without touching the ground, this is work six runs.

If the ball reaches the boundary but hits the ground first, this is worth four runs.

If the bowler bowls the ball too wide, this counts as one run to the batting team.



RE 7.1 Do rules make life difficult?

Key terms

- 1. Torah: Jewish holy scripture revealed to Moses
- 2. Mitzvot: Commandment given by God
- 3. Synagogue: Jewish place of worship
- 4. Shabbat: Jewish holy day and day of rest, Saturday
- 5. Covenant: An agreement made between God and humankind
- 6. Monotheist: A person who believes in ONE God
- 7. Prophet: A person who has received messages from God
- 8. Worship: Showing dedication and love towards God

Crucial Commands:

Describe: Say in detail what something or someone is like, and the impact it has. E.g. Describe rites of passage in Judaism.

Explain: Say why something or someone is important, and the impact it has. E.g. Explain why Moses is important.

Discuss: Write about at least two points of view and explain why these points of view are valuable or not. E.g. ""Yom Kippur is the most valuable Jewish festival" Discuss.

led to v God hip y of es in	The beginning The history of Judaism begins with Abraham. Jews believe that he was chosen to begin a new religion. Most people in Abraham's time believed in many Gods. Abraham believed in ONE God. God tested Abraham's faith ten times, for example by asking him to give up his home and by seeing how willing he was to sacrifice his son, Isaac. God made a covenant with Abraham saying that he would bless him and make his family a great nation.	Rites of Passage When boys and girls 'come of age' they have a special ceremony called a Bar Mitzvah (boys) or Bat Mitzvah (girls). After the ceremony, they person is considered responsible for their own actions and faith. Young Jews are expected to study and prepare carefully for their ceremony. After the ceremony has taken place a special meal is shared and there is often a party held with family, friends and the community.
the	Moses Moses was a Hebrew who was brought up with the Pharaoh. He witnessed the Hebrews being treated cruelly as slaves and challenged the Pharaoh to free them. God helped Moses to free the Hebrews by inflicting ten plagues upon the Egyptians. The Hebrews were freed and Moses led them for many years until they reached the Promised Land. Moses was a prophet and was given commandments by God to spread amongst the Hebrews.	Shabbat Saturday is an important day of the week as the Jewish creation story says that on this day God rested. Jewish people will also rest on this day. Many Jews take the rules about resting very seriously! For example, they will not use electronic devices and they will not drive their car. They will spend time with their family and the community. Observing the Shabbat is one of the Ten Commandments given to Moses.
ses wo ese	Festivals Rosh Hashanah and Yom Kippur. Rosh Hashanah is the first day of the Jewish new year. On the ten days between Rosh Hashanah and Yom Kippur Jews will reflect on their behaviour from the previous year. On Yom Kippur Jews have a chance to seek forgiveness from God. Passover/Pesach. Jews remember the night they were protected from the tenth plague - the death of first-born sons - and were freed from slavery.	Mitzvot There are 613 commandments or mitzvot! The most well-known are the Ten Commandments. Jews believe that the commandments are a gift, given to help them. Jews have different ways of interpreting the mitzvot. Some believe that they should be followed at all times, no matter how difficult they are. Others believe that it's acceptable only to follow commandments that are relevant in the modern world.

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led to v God hip y of es in	The beginning The history of Judaism begins with Abraham. Jews believe that he was chosen to begin a new religion. Most people in Abraham's time believed in many Gods. Abraham believed in ONE God. God tested Abraham's faith ten times, for example by asking him to give up his home and by seeing how willing he was to sacrifice his son, Isaac. God made a covenant with Abraham saying that he would bless him and make his family a great nation.	Rites of Passage When boys and girls 'come of age' they have a special ceremony called a Bar Mitzvah (boys) or Bat Mitzvah (girls). After the ceremony, they person is considered responsible for their own actions and faith. Young Jews are expected to study and prepare carefully for their ceremony. After the ceremony has taken place a special meal is shared and there is often a party held with family, friends and the community.
the	Moses Moses was a Hebrew who was brought up with the Pharaoh. He witnessed the Hebrews being treated cruelly as slaves and challenged the Pharaoh to free them. God helped Moses to free the Hebrews by inflicting ten plagues upon the Egyptians. The Hebrews were freed and Moses led them for many years until they reached the Promised Land. Moses was a prophet and was given commandments by God to spread amongst the Hebrews.	Shabbat Saturday is an important day of the week as the Jewish creation story says that on this day God rested. Jewish people will also rest on this day. Many Jews take the rules about resting very seriously! For example, they will not use electronic devices and they will not drive their car. They will spend time with their family and the community. Observing the Shabbat is one of the Ten Commandments given to Moses.
ses wo ese	Festivals Rosh Hashanah and Yom Kippur. Rosh Hashanah is the first day of the Jewish new year. On the ten days between Rosh Hashanah and Yom Kippur Jews will reflect on their behaviour from the previous year. On Yom Kippur Jews have a chance to seek forgiveness from God. Passover/Pesach. Jews remember the night they were protected from the tenth plague - the death of first-born sons - and were freed from slavery.	Mitzvot There are 613 commandments or mitzvot! The most well-known are the Ten Commandments. Jews believe that the commandments are a gift, given to help them. Jews have different ways of interpreting the mitzvot. Some believe that they should be followed at all times, no matter how difficult they are. Others believe that it's acceptable only to follow commandments that are relevant in the modern world.

MFL Knowledge Organiser

KO. Yr7 Greetings

Tenses-Present

ESTAR = TO BE		
Estoy	l am	
Estas	You are	
Esta	He/She/It is	
Estamos	We are	
Estaís	You all are	
Estan	They are	

Sentaos = sit down Levantaos = stand up ¡Silencio, por favor! = be quiet please Mirad la pizarra = Look at the board Abrid los libros = Open your books

Opinions & Pronouns Fenomenal Regular

Muy bien

Bien





mal

Connectives

- También= also
 - Y= and
 - Pero= but
- Sin embargo = however
 - Porque = because



Adjectives

Contento/a	Нарру
Tranquilo/a	Calm
Relajado/a	Relaxed
Feliz	Нарру
Estresado/a	Stressed
Nervioso/a	Nervous
Triste	Sad

¿Qué tal? = how are you ¿Cómo estas? = how are you?

¿Pór que? = Why?



Year 7 PE Knowledge Organiser- Striking and Fielding

Key Vocabulary				
Batting	The order that the batsmen will			
order	play in: the strongest go first.			
Body	How the batsman or fielder			
position	coordinates their body to strike or			
	field effectively.			
	Deciding on a tactic or action that			
Defensive	prevents the other team from			
	scoring.			
Field	Where the fielders are positioned			
placement	to be most effective.			
Innings	The period of time when one team			
minigs	are batting.			
Long	A fielding technique to stop a low			
barrier	or rolling ball.			
	Deciding on a tactic or action that			
Offensive	is designed to give your team the			
	best chance of scoring.			
Over	6 balls bowled by the same bowler			
Over	from one end of the pitch.			
Stance	How the batter positions their			
	body to strike the ball.			
Stroke	The shot that is chosen by the			
	batsman to hit the ball.			
Umpire	The official who is in charge of the			
	game.			
Wicket	The set of stumps and bails at each			
WICKet	end of the pitch.			

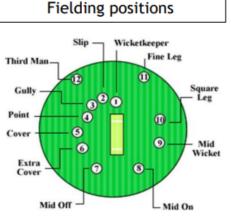
Rules of the Game

Two teams of 11 players each play an innings of batting and bowling. Each innings will be made up of a set number of overs.

The batting team aim to score as many runs as they can by hitting the ball and running between the two wickets.

The bowling team can get the batsmen out by catching a ball that is hit, or by hitting the stumps with the ball before the batsman arrives.

Once the batting team are all out, or all of their overs are used, the teams swap over.



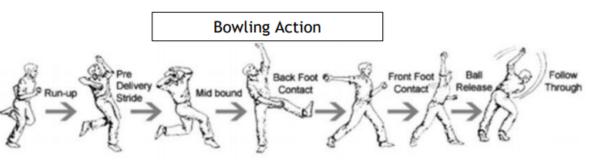
Method of scoring:

Each time the batsman runs between the stumps (swapping with the batsman at the other end), this counts as one run.

If the ball is hit beyond the boundary without touching the ground, this is work six runs.

If the ball reaches the boundary but hits the ground first, this is worth four runs.

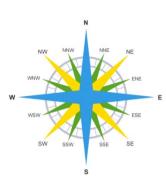
If the bowler bowls the ball too wide, this counts as one run to the batting team.



What is Geography? Knowledge Organiser

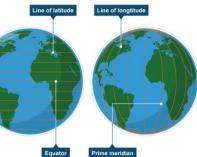
Compass Points

The four main points of the compass are north, east, south and west. Half wav between each of these there are four other points:



north-east, south-east, south-west and north-west

Lines of latitude Lines of latitude circle the Farth in an east-west direction. They are parallel. Lines of lonaitude run from the top of the Farth to the



bottom. They meet at a point at the north and south poles and are called meridians.

Physical and political maps There are two types of maps:

Physical maps - show natural features such as rivers and mountains.

Political maps – show artificial features such as borders and countries.

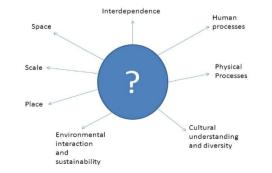


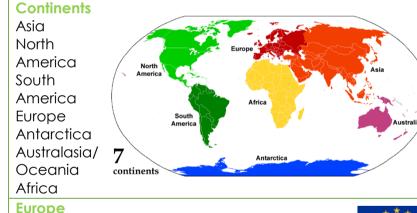
Human and Physical Geography Human and physical features are thinas that you can see all around you.

Physical features like seas, mountains and rivers are natural. They would be here even if there were no people around.

Human features like houses, roads and bridges are things that have been built by people

Geographical Concepts





Europe is a continent located entirely in the Northern Hemisphere and mostly in the Eastern Hemisphere.

Area: 10.18 million km²

Population: 746.4 million (apx)

Some languages spoken in Europe are: Bulgarian, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Irish, Italian, Latvian, Lithuanian, Maltese, Polish, Portuguese, Romanian, Slovak, Slovenian, Spanish



Year 7 Design Knowledge Organiser



SCORE

Design Process

		•
	Design Brief	A statement outlining what is to be designed and made.
00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Specifications	A list of design criteria.
ĨŎ	Research	Sourcing information and inspiration to help with design work
- <u>`</u> Q́-	Ideas	A range of potential solutions to the Problem.
(F	Development	Further improving an idea.
	Final Design	A presentation drawing of chosen idea.
Ŷ	Manufacture	Making the final outcome.
	Evaluation	Reviewing strengths and weaknesses of final product and design work.

Health and Safety

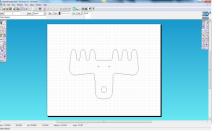


Pillar Drill



Pillar drills are free standing machine tools used by engineers that use high powered motors to rotate drill bits at varying speed.

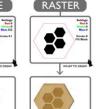




CAD stands for Computer aided design and refers to any design that is created through the use of computer software.

Laser Cutter





Laser cutting is a method of cutting shapes or designs into sheet metal or other structural materials.

Plywood

Sheet materials manufactured from layers or particles of wood. Reddish brown or white in colour. Layered in odd numbered sheets. Strong. Susceptible to splintering Used in sheds and cladding, furniture, flooring, boats (marine ply).

Measure CLASSMATES SHATTER RESISTANT Measuring in millimetres is more accurate than measuring in centimetres. 1cm = 10mm

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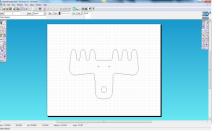


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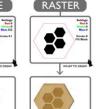




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Year 7 Textiles Knowledge Organiser

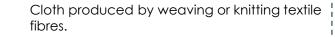


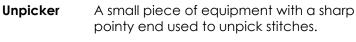
Equipment

A piece of metal with a point at one end and a hole or eye for thread at the other, used in sewing.

A piece of metal with a point at one end for holding fabric together.

Used for cutting fabric.





Chalk used to mark fabric.

Tailors Chalk

Needle

Pins

Sheers

Fabric



A strand of cotton, used in sewing or weaving.

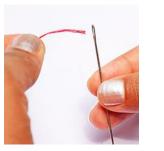
Pattern

A template used to cut out the fabric.

Health & Safety

Work slowly to avoid sticking yourself with the needle.

- Keep your eyes on your work.
- 3. Use the right tool for the job.
- 4. Store tools and equipment properly.
- 5. Cut with care.
- 6. Before you walk away, put things away!



Step 1 the needle in Hold non dominant vour hand and the thread dominant in vour hand.

How to Thread a Needle

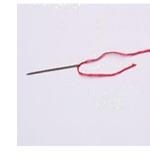


Step 2

Hold the needle in the one hand and take the eve of the needle closer to the tip of the thread in the other hand.



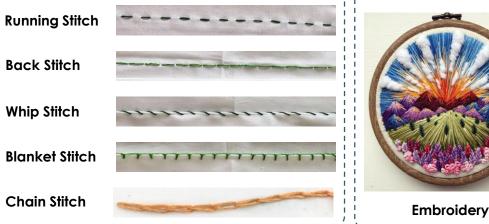
Keep pushing the needle further until the end of the thread emerges well enough through the other side of the eye. Pull the end of the thread out.



Step 4

Pull the end of the thread through the eye of the needle and tie of the end of the thread in a knot.

Hand Sewing Stitches



Sewing Techniques



Appliqué

Year 7 Textiles Knowledge Organiser

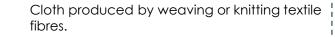


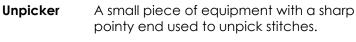
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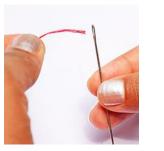
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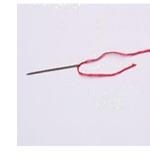


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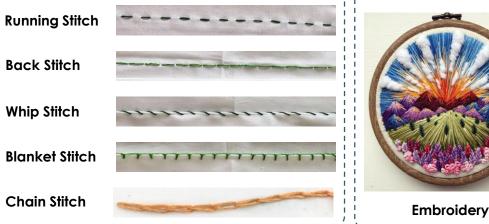
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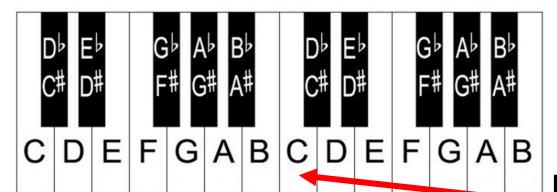


Appliqué

Year 7 MUSIC HT1 Knowledge Organiser

Introduction to Music

Piano Keys and Notes



Drink rhythms

50P

COCA

25P

25P

COLA

25P

TEA

25P

25P

25P

CHOCOLATE

25P

LEMONADE

25P

25P

25P

25P

250

25P

25P

25P

25P

25P

25P

25P

SEE?

50P

25P

25P

25P

25P

250

TONIC

BAR

£1

COFFEE

750 HARDER DRINK RHYTHMS

RIBENA

25P

BRANDY

25P

25P

250

25P

25P

Setting up the keyboard safely and quickly



Key Words: Musical Elements Tempo = The speed of music Pitch = How high or low Dynamics = How loud or quiet Crescendo = Getting louder Genre = Style of music

C is to the left of the two black keys

You should:

- Be able to identify and write about some elements of music in listening activities using appropriate language
- Begin to identify different instruments, how they sound and which family they belong to
- Clap basic rhythms and recognise the difference between note lengths using 'drink rhythms'
- Recognise different keys on the keyboard and their note names