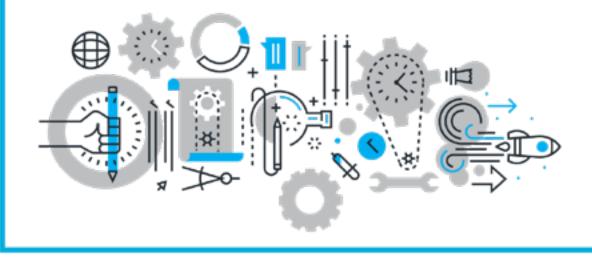


# Year 7 Knowledge Organiser

Autumn Term



# How do I complete Knowledge Organiser Homework?

Link to self-quiz video: <u>https://youtu.be/cFUuhtPIMPU</u>



# Step 1

Check on: ShowMyHomework for what words / definitions / facts you have been asked to learn.

# Step 2

Write today's date and the title from your Knowledge Organiser in your selfquizzing book.

# Step 3

Read the section of the Knowledge Organiser that you are studying. Read it slowly, you can read it aloud and with a ruler if this helps.

# Step 4

Cover up the section and try to write out the information exactly as it is written on the Knowledge Organiser in your selfquizzing book.

DO NOT PEEK!

# Step 5

Uncover the section and compare it to what you have written. If you have made mistakes or missed parts out, add them in using a pencil or a different colour.

# Step 6

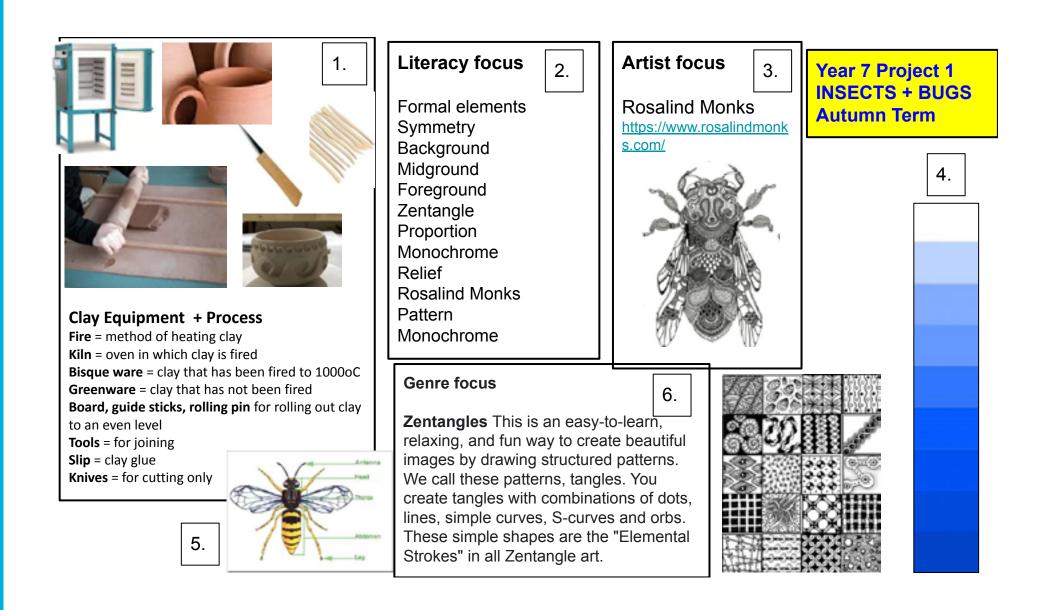
Repeat steps 3-5 again until you are confident. You will need to bring your self-quizzing book in every day and your teacher will check your work. You will be tested in class.

# Knowledge Organiser - YEAR 7 - AUTUMN TERM



Contents		Maths - Shapes and Angles
Art - Insects & Bugs	4	Maths - Ratio & Proportion
Art - Colour	5	Maths - Percentages
Art - Drawing	6	Maths - Basic Averages
Art - Formal Elements	7	Maths - Solving Equations
Art - Painting	8	Music - Basic Theory & Keywords
Art - Photo + Critique	9	PE - Sport - Hockey
Art - Textiles and Clay	10	PE - Sport - Basketball
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English	21	Science - Scientific Skills
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French - Basics	23	Science - Physics - Forces
French - Topic 1 - C'est Perso!	24	Science - Physics - Energy
Geography - Wonderful World	25	Science - Chemistry - Elements
Geography - Ecosystems	26	Spanish - Mi Vida - Part 1
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History Part 3 + 4	28	Spanish - Mi Teimpo Libre
ICT - Careers & Data Representation	29	Spanish - Los Verbos
Maths - Number	30	
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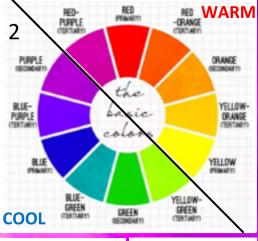
# Art - Colour



# COLOUR

Colour plays a vitally important role in the world in which we live. Colour can sway thinking, change actions, and cause reactions. It can irritate or soothe your eyes, raise your blood pressure or suppress your appetite. As a powerful communication, **colour** is form of irreplaceable.

# 





Cool colours painting

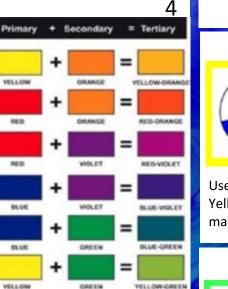






# ADJECTIVES TO DESCRIBE COLOURS

Light Bright Vivid Glowing Vibrant Brilliant Intense Dazzling Subdued Diluted Gloomy Depressing Pale Dull Murky Muted Monotonous Fluorescent 3 Saturated Opaque Transparent



TINT 5 is adding white to a colour



TONE is adding grey to a colour





# **COLOUR SCHEMES PRIMARY**



Uses the primary colours: Red, Yellow & Blue. They can not be made by mixing other colours.

#### **SECONDARY**



Uses the secondary colours: Orange, Green & Purple. Each secondary colour is made by mixing two primary colours.

#### **TERTIARY**



Uses the tertiary colours. They are made by mixing a primary and a secondary colour next to each other on the colour wheel.

#### **COMPLEMENTARY**

6



Uses a pair of colours that are opposite each other on the colour wheel. The pairs are: Green/Red; Blue/Orange; Yellow/Purple.

#### **HARMONIOUS**



Uses three or four colours (primary, secondary and tertiary) that are next to each other on the colour wheel.

#### **MONOCHROMATIC**



Uses Tints, Tones & Shades of one colour. The word MONO means ONE and the word CHROMA means INTENSITY OF COLOUR.

# YFAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Art - Drawing



# DRAWING The basic craft of drawing is about two things: 1. To control your hand and 2. Learn to see.

#### Line drawing

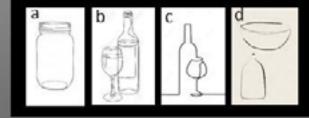
1 ELLIPSES: The circle found at the top and the base of a cylindrical object; i.e. bottle, cylinder, etc. Ellipse can also occur when the sides of the bottle change direction, i.e. get narrow or wide.

2 CENTRE LINE: Divides the object vertically in two equal parts. LINE OF SYMMETRY: the line at which the bottle is symmetrical. Mirror image symmetry: exactly matching opposite sides

3 POSITIVE SPACE: (Object in white) The space occupied by the object/s.

NEGATIVE SPACE: (All in block) The rest of the space around or in between the object/s.

4 LINEAR DRAWING A drawing using line only to: a) outline the shape of the object; b) to add detail; c) using continuous line (without lifting your pencil of the paper from start to finish. d) Minimalist drawing



# Tonal drawing

5 FLAT TONE: A solid block of tone, see Tonal Ladder. It has no outlines. Different flat tones next to each other define shapes.

#### 6 SHADING:

When the tone gradually changes from dark to light. It can appear a) smooth or b) rough by using lines called Hatching or Cross Hatching.

SHADING (light from the side): On the outside of the object the tone changes gradually from one side to the other. Light and dark areas swap direction on the inside opening of the object like in this cup.

SHADING (light from the centre): The tone is dark on both sides and smoothly gets light in the middle. It gives a 3D effect and looks very realistic.

7 TEXTURE and MARK-MAKING: Texture is the surface quality of something. Artists use mark-making techniques to represent different textures.

Hatching

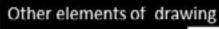












#### 9 PERSPECTIVE:

the art of representing three-dimensional objects on a two-dimensional surface

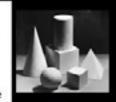
**10 RANGE OF PENCILS:** 

so as to give the right impression of their height, width, depth and position in relation to each other.

#### ART RANGE GRAPHITE PENCILS

11 FOREGROUND: An art term that describes the objects in the scene that are closest to the viewer. It is the part in front of everything else and has the most detail

MIDDLE GROUND: lies between the foreground and background of a painting. The objects in this area appear smaller. They are usually placed behind the objects in the foreground.



BACKGROUND: is the part of a scene or picture that is farthest from the viewer. It usually has the least detail.

#### 12 COMPOSITION:

Refers to the organisation, arrangement, and combination of objects within the borders of a drawing space. For a great drawing, you want to bring the eyes of the viewer toward your centre of interest within an aesthetically pleasing composition.

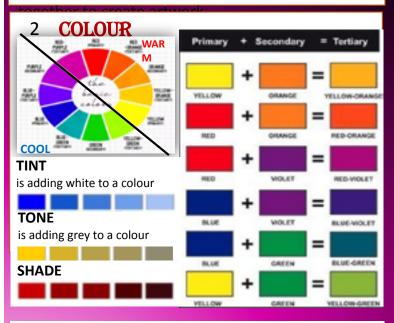


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# FORMAL ELEMENTS

The Formal Elements are: line, shape, form, tone, texture, pattern and colour. They are used



PATTERN is a symbol or shape that is 3 repeated. A design that is created by repeating lines, shapes, tones or colours. The design used to create a pattern is often referred to as a **motif**. Motifs can be simple shapes or complex arrangements. Tessellating any image creates a Repetitive pattern.



#### LINE 4

is the path left by a moving point, i.e. a pencil or a brush.

A line can take many forms. It can be horizontal, diagonal or curved. Line can be used to show: contours (the shape and form of something); movements, feelings



**5 SHAPE** is an area enclosed by a line. It could be just an outline or it could be shaded in. When drawing shapes, you must consider the size and position as well as the shape of the area GEOMETRIC SHAPES around it. The space between the shapes is

called negative space.

# 6 FORM

is a three dimensional shape (3D), such as a cube, sphere or cylinder. Sculpture and 3D design are about creating forms. In 2D

artworks, lines, tones and perspective can be used to create an illusion of form. The three dimensions of form are width, length and depth.

#### TONE

is the lightness or darkness of an object. This could be a shade or how dark or light a colour appears. Tones are created by the way light falls on a 3D object. In every 3D object there are minimum of 3 tones; light, mid-tone and dark. Tone can be flat or it can vary from dark to light.

**S TEXTURE** is the surface quality of something, the way something feels or looks like it feels. Actual texture really exists, so you can feel it or touch it.

Visual texture is created using marks to represent actual texture. It gives the illusion of a texture or surface. You can create visual texture by using different lines, shapes, colours or tones.



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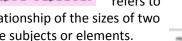
#### is the size of one object in relation to the other objects in a design

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#### THE SEEL OF CHIE CALECT TO

#### 10 PROPORTION

refers to



the relationship of the sizes of two or more subjects or elements.



YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **Art - Painting**



# PAINTING 1. The act of painting, using a brush, palette knife, sponge, or airbrush to apply the paint; 2. The result of the action - the actual picture.

#### 1 Watercolour brushes:

Are specially made to allow the artist to control the flow of the colour from the brush onto the paper. A watercolour brush should hold a fine point when wet and spring back into shape after each stroke. It should carry the colour allowing the artist to: a) lay it down on the paper evenly 2) consistency.

#### 2 WATERCOLOUR:

a) Paints that are made of pigments suspended in a water-based solution (binder).

b) The art of painting with watercolours, especially using a technique of producing paler colours by diluting rather than by adding white.

#### WATERCOLOUR PAPER:

Best watercolour papers are made from cotton fibres. There are three types of w/c paper.

(NOT) ROUGH

CP

HP- Hot Press. Smooth surface for detailed work CP (NOT) - Cold press. Slightly textured for most types of work Rough - Heavily textured paper enhances the final piece of work.

#### **3 WATERCOLOUR TECHNIQUES:**

a) Wash: When watercolour mixture is gradually diluted with water.

b) Blending: When two colours seamlessly merge into one another.

c) Wet -on – Wet: Water is applied onto the paper and then paint is applied onto it.

#### d) Masking Fluid

It is a rubber type product that prevents the paint from reaching the paper and is peeled off to expose the whitepaper left untouched.

#### **4 ROUND BRUSHES:**

Good for sketching, outlining, detailed work, controlled washes, filling in small areas.

FLAT BRUSHES: Good for bold strokes, washes, filling wide spaces, impasto. Edge can be used for fine lines, straight edges and stripes.

5 ACRYLIC PAINT: Opague and semi-opague fast-drying paint made of pigment and acrylic polymer emulsion dilutable with water.

ACRYLIC PAINTING SURFACES: Canvas, paper, wood, or anything which is neither greasy nor too glossy.

ACRYLIC PAINTING BRUSHES: A good selection of round and flat stiff synthetic brushes. Palette knives.

**6 ACRYLIC PAINTINGS TECHNIQUES:** UNDERPAINTING: A layer of paint applied first to a canvas or board. a) Tonal Grounds Under Painting

single transparent colour. This layer will create backlighting shadows that will tone the entire painting and provide contrast.

b) A Tonal Under-Painting A layer of paint applied first that acts as a foundation for the painting with some built in contrast and tonal values.

IMPASTO: A technique used in painting. where paint is laid on in very thick layers that the brush or palette-knife strokes are visible. Paint can also be mixed right on the canvas. When dry, impasto provides texture; the paint appears to be coming out of the canvas.

8





#### 10 SGRAFFITO TECHNIQUE: Used in painting, pottery, and glass. Consists of putting down a preliminary surface, covering it with another, and then scratching the top layer. The pattern or shape that

emerges is of the colour below.



**Subject Contents** 

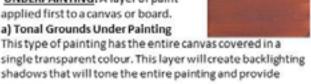


#### MIXED MEDIA COLLAGE:

This is an art form which involves combining different materials with paint to create a whole New artwork.



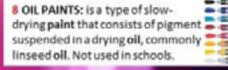




# 7 POSTERPAINT:

A semi-opaque paint with a water-soluble binder, used mainly in schools.





#### 9 MIXED MEDIA:

A Technique that uses more than one medium or material. Assemblages and collages are two common examples of art using different media that will make use of different materials including cloth, paper, wood and found objects.

#### ASSEMBLAGE:

The making of 3D art, often involves using found objects.

# Art - Photo + Critique



Still Life

# **1.** Types of Photography

#### Landscape

-Shows space within the world- think 'land' to remember, but can include sea -Can make use of water for reflections -Often symmetrical -Usually all in focus

3. Tips

indoors)

shake

walls

work well

-Don't rush

-Do not use flash (especially

-Be still when you take your

before you take it

-Make sure your lighting is even

photograph to avoid camera

Make sure your image is focused

-Use simple backgrounds; plain

-Get closer. DO NOT use zoom

-Take more than one photo



**Portraiture** -Photo of a person or a group of people Plain background -Face fills the frame

-Focus usually on the eyes

-Controlled lighting -Can be posed or natural

#### Critiquing artwork You need a specific vocabulary to comment on all the elements of art. Here are some to get you started.

#### Colour

Colour is very important. No matter what type of artwork colour helps define the piece and the artist. A lot of artwork can be determined on who did the work just by looking at the colours.

- Bold
- Vibrant
- Subtle
- Pale
- Earthy
- Naturalistic
- Harmonious
- Complementary

#### Shape

Art comes in various shapes whether it is a painting or a sculpture. All will contain shapes.

- Organic
- Curvaceous
- Geometric
- Angular
- Elongated

#### Texture

Texture can be actual (it exists) or visual (made to look like it exists). It is often used when referring to clothing, furniture and hair.

- Rough • Fine
- Smooth
- Coarse
- Uneven

#### Movement

Movement is seen in every piece of art. Movement helps to create or define a piece of art.

- Swirling
- Flowing
- Dramatic
- Still

#### Tone

This will describe the light and dark areas in a piece of art.

- Subtle ٠
- ٠ Contrasting
- Muted
- ٠ Dramatic

#### Contrast

This relates to the differences of the elements in an artwork.

- Dramatic
- Subtle
- Strong

#### Scale

This relates to the size of the work and the size of the objects in relation to each other.

- Large
- Small
- Intimate
- Miniature
- Monumental
- Distorted

#### Line

Line is art is similar to how a musician follows lines and creates expression using notes played for different lengths of time.

- Flowing
- Delicate
- Simple
- Bold
- Thick
  - Thin

# Camera needs to be this way up to take a portrait photograph

2. How to use the camera

#### **Shutter**

The large round button. Hold half way down to focus, listen for the beep, then hold all the way down to take.

#### On/off button

#### Strap ALWAYS on wrist

# Portrait mode



# YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

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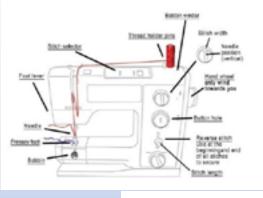
# **Art - Textiles and Clay**

# HWCS

# **TEXTILES**

#### **1.SEWING MACHINE**

A machine with a mechanically driven needle for sewing or stitching cloth.



Zigzeg stitch	~~~~~
Three-step zigzag stitch	~~~~~
Lightning bolt stitch	unu
Tradat creates attach	

#### 2. HEAT PRESS

A machine which uses heat and pressure, to transfer a design or a graphic on another surface, and to heat and fuse man-made materials.



#### **3. BATIK**

A method (originally used in Java) of producing coloured designs on textiles by dyeing them, having first applied wax to the parts to be left undyed.



# Key Stage 3

# **CLAY MAKING**

# Do not use ANY equipment before training

4. TAKE CARE

Electrical equipment Tuck in ties Tie hair back No water near equipment Be aware of sharp/hot objects Electrical machines, take care with wires

#### Handstitching

Needles/Pins - Use a pin cushion Pick fabric scraps off the floor Scissors – pass safely

#### Clay

No eating/drinking whilst using clay ALL equipment to be wiped with damp cloth Wear an apron Pass knives safely Clear clay from floor

Applique

#### 5. Couching



# Stitching by hand







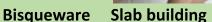


#### 6. Clay Equipment + Process

Fire = method of heating clay Kiln = oven in which clay is fired Bisque ware = clay that has been fired to 1000oC Greenware = clay that has not been fired Board, guide sticks, rolling pin for rolling out clay to an even level Tools = for joining Slip = clay glue Knives = for cutting only

#### 7. Greenware Pinch pot













YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM



# Dance

Styles

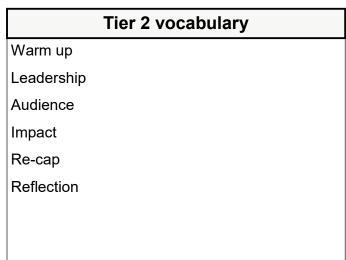


	Term	Definition	
		moving to the beat of the music and/or your group.	
skills	Energy	performing actions with the full amount of effort required.	
	Movement memory	remembering all of the movements.	
Performing	Accuracy	making the correct shapes with your body.	
lor	Facial expressions	showing the mood of the dance through your face.	
Per	Extensions	Fully extending the legs, toes, arms and fingertips	
	Focus	being fully committed to the performance by ignoring distractions.	
	Flexibility	being able to perform a wide range of movements with ease.	

🎋 Year 7 - Dance 🏼 州

15

Genre



	Term	Definition	
s	Actions	the dance movements.	
SKIIIS	Levels	the different heights the dancer reaches whilst performing.	
	Formations	the positions or shape that the dancers stand in.	
	Directions	the direction of travel or the way that the dancers are facing.	
ci loi eog	Transitions	linking one movement to another.	
	Dynamics	how the actions are performed.	
5	Unison	same movements at the same time.	
	Canon	same movements performed one after another.	

Tier 3 vocabulary		
Sequence		
Choreography		
Rehearsal		
Venue		

**Street dance** often uses energetic and sharp movements whilst maintaining a low centre of gravity.

**Contemporary** is an expressive style of dance which often uses floor work, lifts, contractions and falls.

Narrative dance tells a story and has
characters.

**Abstract dance** places importance on the movement rather than portraying a storyline.

# Year 7 Design and Technology Knowledge Organiser Steady Hand Game

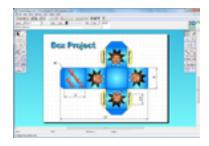
#### **Computer-aided design (CAD)**

Computer-aided design (CAD) is about using computers to assist you, the designer, during the design process. It can help in a number of ways, for example you can produce a design in a variety of materials and you can rotate a design through 360 degrees on any axis. The designs can be manipulated and mirrored with a simple click of the mouse. Any area of a design can be viewed at a rangeof magnifications.





#### Examples of 2D and 3d CAD software



2D CAD soft ware such as Techsoft 2d design can be used to design products such as packaging nets or panels for products. These can then be printed out or laser cut, then made into products.



3D CAD software such as Onshape or Tinkercad can be used to make 3d models of products. These can then be used as engineering drawings or made using 3d printers.

#### Input, process and output. Circuit components

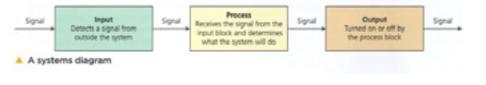
A system is a group of parts that work together to carry out a function. Almost all products that contain electronics and mechanical parts are systems. If you understand the blocks that make up a system and how these interact with each other, you will be able to design complex products quickly and easily.

# Parts of a system

The simplest system has three systems blocks:

- The input block detects a signal from outside the system. For example, it could be a switch that detects movement or a sensor that detects light.
- The process block receives the signal from the input block and determines what the system will do. There are many different types of process block.
- The output block is turned on or off by the process block. Common output blocks produce light, movement or sound.

The systems blocks represent physical Items – they might be individual components or groups of parts working as a sub-system. For example, the output block for an alarm could be a siren subsystem. The systems diagram for the alarm would include this sub-system as a single output block.



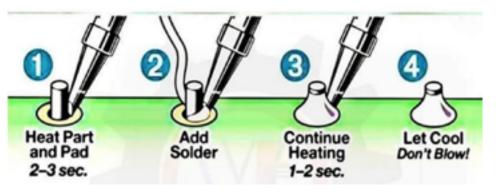
# Year 7 Design and Technology Knowledge Organiser Steady Hand Game

#### **Soldering**

**Soldering** a process in which two or more items are joined together by melting and putting a filler metal (solder) into the joint, the filler metal having a lower melting point than the adjoining metal. Unlike welding, soldering does not involve melting the work pieces.

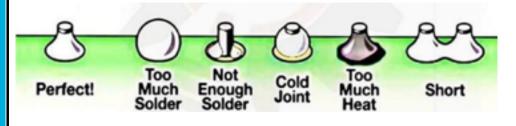
# Method of soldering

The diagram below shows the correct steps you need to perform to solder an component into place



#### Soldering defects

The diagram below show the comment defects that can happen when you are soldering.



#### **Polymers**

Approximately 5 million tonnes of polymer are used in the UK each year, according to government figures. This equates to approximately 1.5 kg per person per week. It is estimated that between 50 and 60 per cent of this is used only once before disposal.

#### Types of polymer

Thermoforming	Thermoforming plastics are a group of plastics that can be heated and formed into a shape. This type of polymer can be heated and formed more than once
Thermosetting	Thermosetting plastics are a group of polymer can be heated, and then set into shape. These polymers can only be heated and set once.

#### Some common thermoplastic polymeri

Туре	Properties	Typical uses
PMMA (poly(methyl methacrylate))	Known by the trade names Acrylic and Perspex Can be transparent Hard wearing and tough Softens between 85°C and 165°C	Plastic windows, both tubs
HDPE (high-density polyethylene)	Strong and stilf Softens at about 130°C	Pipes, buckets, bowls
PET (polyethylene terophthalate)	High strength and good toughness Heat resistant Softens at about 80°C	Drinks bottles, food packaging
HIPS (high-impact polystyrene)	Reasonable strength and good toughness Softens at about 90°C	Packaging
PLA (polylactic acid)	Reasonable strength but can be brittle Softens between 70°C and 80°C	3D printing. children's toys

#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **D&T - Door Stop**

# Year 7 Design and Technology TEXTILES / DOOR STOP Knowledge Organiser

#### Fibres —Natural and Synthetic

#### How textiles are made

Textile fabrics are made from fibres. Fibres are very fine, hair-like structures that are spun or twisted into yarns. These yarns are then woven or knitted together to create fabrics. Different fibres can be mixed together to create improved fabrics.

There are two main types of fibre:

- Natural fibres come from plants and animals.
- Synthetic fibres (manufactured fibres) come from oil, coal or petrochemicals.



The cotton boll (green pod) contains the plant seeds. The cotton fibre is found inside the boll, protecting the seeds.

Туре	Source	Properties	Uses
Cotton	Natural - cotton plant	Absorbent; strong; cool to wear; washable; flammable	Clothing; soft furnishings; bed sheets; sewing threads
Linen	Natural - flax plant	Absorbent; hard wearing; cool to wear; washable; flammable	Summer clothing, soft furnishings, table linen
Silk	Natural - silkworm	Absorbent; natural shine; comfortable to wear	Luxury clothing and lingerie; knitwear; soft furnishings
Wool	Natural - animals such as sheep or llamas	Warm; absorbent; strong; low flammability; shrinks easily	Coats; jackets; jumpers; socks; blankets; carpets
Polyester	Synthetic - petroleum, coal	Strong, flame resistant but still melts; poor absorbency	Versatile; has many uses throughout textiles
Polyamide (nylon)	Synthetic - petrochemicals	Strong: melts as it burns; good elasticity (will stretch and recover)	Clothing; carpets; rugs; seat belts; ropes; tents
Acrylic	Synthetic - petroleum	Strong: burns and melts; good insulator	Knitwear; knitted fabrics; fake fur; upholstery

#### Weaving and Knitting into Fabrics

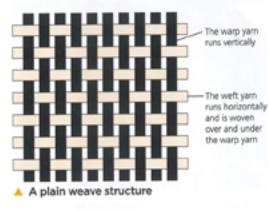
#### Types of material and their uses

There are two main methods for making textile fabrics: weaving and knitting.

#### Weaving

Woven fabrics are produced on a loom using warp yarn and weft yarn. The warp yarn is stronger and runs vertically, while the weft yarn is woven over and under the warp yarn to create the fabric. The most common type of weave is called plain weave and has many uses throughout textiles. Different types of woven fabric are created by changing the way that the yarns are woven or the thicknesses and texture of the yarns, and through the use of colours.

Weaving is the strongest method of fabric construction and is ideal for products that need a firm structure, including school shirts, smart trousers, bedlinen, kites, holdalls and school bags.



#### Knitting

Knitted fabric is created by interlocking loops of yarn, which can be done either on a machine or by hand. The loops in the fabric trap air, making it warmer to wear, for example a knitted wool jumper will be comfortable and warm. Knitted fabrics can be stretched, but this can make them lose their shape.

There are two types of knitted fabric:

- Warp knitting uses several yarns that interlink vertically. These can be cut into shapes to make textile products.
- Weft knitting uses one yarn that runs horizontally. The fabric is built up row by row, with each loop interlocking with the row below. Hand knitting is done this way. This type of knitting will unravel if it is cut.



-0

Weft knitting

Some common fibres

# YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# D&T - Door Stop Pt2

# Year 7 Design and Technology TEXTILES / DOOR STOP Knowledge Organiser



#### Setting up the Sewing Machine Step by Step

#### Sewing machines

Most sewing machines have a variety of functions and stitches to complete the different processes that are needed to make a textile product. They have attachments, such as a special 'foot' for inserting a zip. Computerised sewing machines can be used to embroider original designs. An overlocker is a specialist machine that trims and sews the edge of the fabric at the same time. This is the neatest and most professional method of joining fabrics and neatening a seam or edge.







#### SECTION 1. ESSENTIAL PARTS -Name of Parts

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#### Embellishments and surface decoration techniques

Tie-dye		The colour of fabric can be changed by dyeing. The tie-dye method involves folding, twisting, pleating or crumpling the fabric and tying it with string or rubber bands. The fabric is then placed in a dye bath. The tied areas do not absorb the dye and this forms a pattern.
Appliqué		Appliqué is a method of stitching fabric pieces onto a base fabric to create a design. Different stitches can be used to hold the fabric pieces in place. Complex designs can be created by using several pieces of fabric.
<ul> <li>Decorative t</li> </ul>	echniques	
Decorative t     Fabric     paints	echniques	Fabric paints can be applied directly to fabric. Once the paint is dry, it needs to be fixed using a hot iron. Fabric felt pens and pastels can be used in the same way.
Fabric		Fabric paints can be applied directly to fabric. Once the paint is dry, it needs to be fixed using a hot iron. Fabric felt pens and pastels can be used in the

#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **D&T - Picture Frame**



# Year 7 Design and Technology Knowledge Organiser Picture Frame

#### Health and Safety 15 rules of the workshop

#### Why do you think workshop Safety Rules are important?

If everyone follows workshop rules, everyone will be safe and learn how to use tools and equipment properly and efficiently.

Always listen carefully to the teacher and follow instructions.

**Do not run /** rush in the workshop.

Know where the **emergency stop buttons** are positioned in the workshop.

Always wear an apron.

When attempting practical work, all stools should be put away.

Bags should be stored away, during practical sessions in the workshop.

Do not use a machine, if you have not been shown how to operate it safely, by your teacher.

Aways be patient, never rush practical work.

Always use guards, when operating machines.

Keep hands / hair and clothing away from moving/rotating parts of machinery.

Use hand tools carefully, keeping both hands behind the cutting edge.

Report any damage / faults to machines/equipment. Damage or a faulty part, could cause an accident.

Keep your workbench tidy. When you have finished with a tool / piece of equipment, return it to its storage cupboard / rack.

Never distract another pupil, when they are working on a machine or using tools / equipment.

Wear good strong shoes. Training shoes are not suitable.

#### **Tools and Equipment**

Tool	Image	Use
Coping Saw		Cut sheet material s to irregular shapes. This saw can cope with cutting curves.
Tenon Saw	BRWIN IS	Cut timber in a straight line.
Try Square		Use to mark out perpendicular waste lines ready for cutting accurate 90
Workbench Vice	and the second s	For Holding and securing materials in place whilst cutting, shaping and forming.
Disc Sander		For fine finishing, removing waste material to the waste line.

# **D&T - Picture Frame Pt2**



# Year 7 Design and Technology Knowledge Organiser Picture Frame

#### **Timber Classificatioon**

#### Hardwoods

Hardwoods come from Deciduous trees. They loose their leaves each winter and are slower growing than softwoods. This makes for higher quality wood as the grain is closer **(denser)** together than softwood making it harder wearing. It is also harder to machine.

Examples, OAK BEECH ASH

#### Softwoods

Softwoods come from Coniferous trees. They keep their leaves all year round and take only 30 years to mature so are considered fast growing trees. Their grain is more open and so the wood is softer and less hardwearing than Hardwood. They are cheaper and easier to machine.

Examples, PINE SPRUCE CEDAR

#### Hardwood

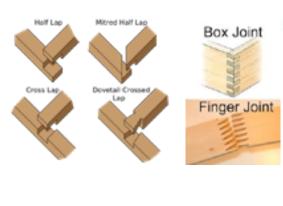
#### The properties and uses of selected hardwoods

Type	Characteristic properties	Typical uses
Oak	Very strong and hard Light brown colour	High-quality furniture
Mahogany	Fairly strong and durable Pink to reddish-brown colour	High-quality furniture
Beech	Hard and tough, but easy to work with Light brown with darker brown flecks	Wooden toys, household items, fumiture
Ash	Tough and flexible Light creamy-brown colour	Tool handles, sports equipment
Balsa	Soft - can be marked using a finger Off-white to tan colour	Modelling

#### Softwoods

#### The properties and uses of selected softwood

Туре	Characteristic properties	Typical uses
Pine	Fairly strong, easy to work with Light brown or yellowish colour	Interior structures in buildings, furniture
Spruce	Strong and hard, but low resistance to decay Yellowish-white colour	Wooden aircraft frames



#### Sources of timber

Timber is made from trees that are chopped down and then cut into planks in a sawmill. The wood may be second after cutting, which means that it is dried before use to remove moisture. Seasoning makes wood less likely to distort or worp.

Timber can be a renewable resource if grown in well-managed forests. Responsible management includes planting new trees as older trees are out down. Timber grown this way can be identified by the Forest Szewardship Council® (FSC®) 100% claim or label.

> The Forest Stewardship Council symbol

# **D&T - Food Technology**



#### Knowledge Organiser – Year 7 Food Technology Fruits and Vegetables

We need macro and micro nutrients in different

#### <u>Nutrients</u>

Carbohydrates give the body energy. Protein provides growth and repair of cells. Fats are needed for warmth, energy, hormone production and protection. Vitamins and minerals help to maintain normal cell function and maintain general health.

#### Personal Hygiene

- Wash your hands before handling any food
- Put your hair up
- Wear a clean apron
- Use a blue plaster if you have a cut
- Don't cough or sneeze on the food

#### Food Hygiene

- Clean work surfaces
- Keep work area clean and tidy
- Keep raw and cooked foods apart to prevent cross contamination.
- Use a red chopping board for meat and a green board for fruit and vegetables
- Wash up correctly
  - Hot water, changed frequently
  - Washing up liquid
  - Cloth for washing
  - Clean tea towel for drying



mi, or, g. pints

g and oc

init (r.g.grami, etc.)



YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

#### 18

ml + spoons + cups

lesson.

# Drama 1



# 1 1 Year 7 - Drama - Term 1



· •			•••			
Term	Definition		Backstage			
Stage Left (SL)	The left hand side of the stage from the <b>actors'</b> point of view.		Unstage	Upstage	llectace	ı
Stage Right (SR)	The right hand side of the stage from the <b>actors'</b> point of view.		Upstage Right U.S.R	Upstage Centre U.S.C	Upstage Left U.S.L	
Upstage (US)	The back of the stage / area furthest away from the audience.	Right	Stage	Centre	Stage	Left
Downstage (DS)	The front of the stage / area nearest the audience.	Wing	Right S.R	Stage C.S	Left S.L	Wing
Centre Stage (CS)	The middle of the stage.		Downstage	Downstage	Downstage	
Upstage Right (USR)	The back right corner of the stage from the <b>actors'</b> point of view.		Right D.S.R	Centre D.S.C	Left D.S.L	
Upstage Left (USL)	The back left corner of the stage from the <b>actors'</b> point of view.	Tabs	Downstage			
Downstage Right (DSR)	The front right corner of the stage from the <b>actors'</b> point of view.	1405		Audiona		Tabs
Downstage Left (DSL)	The front left corner of the stage from the <b>actors'</b> point of view.		Audience			
Wings	The areas beside the stage in which actors wait before entering.			Cover		
Backstage	The area where costumes, props and set are stored. You might find the dressing rooms and tech store here too.			&		
Tabs	Curtains at the front of the stage that can be opened or closed.		くと	Test	くと	
Audience	The people watching your performance.		•			
Actors	The people performing on stage.				<u>, (</u>	
Characters	The fictional people in the play - they are played by the actors.		]		; 	1
Costume	The clothes the actors wear on stage. They should communicate something about the character.			??		
Set	Furniture or other scenery that can make a location on stage.	<u> </u>		?		<u> </u>
Props	Items characters use on stage such as books, bags or phones.	?				1 '
Blocking / Staging	The basic movements characters make around the stage			?	?	
	e.g. Kelly enters from SR and sits down at a table. Dave walks away from the table.	$\sim$	$\succ$		$\sim$	$\sim$

Theatre Terminology

# Drama 2

of Drama

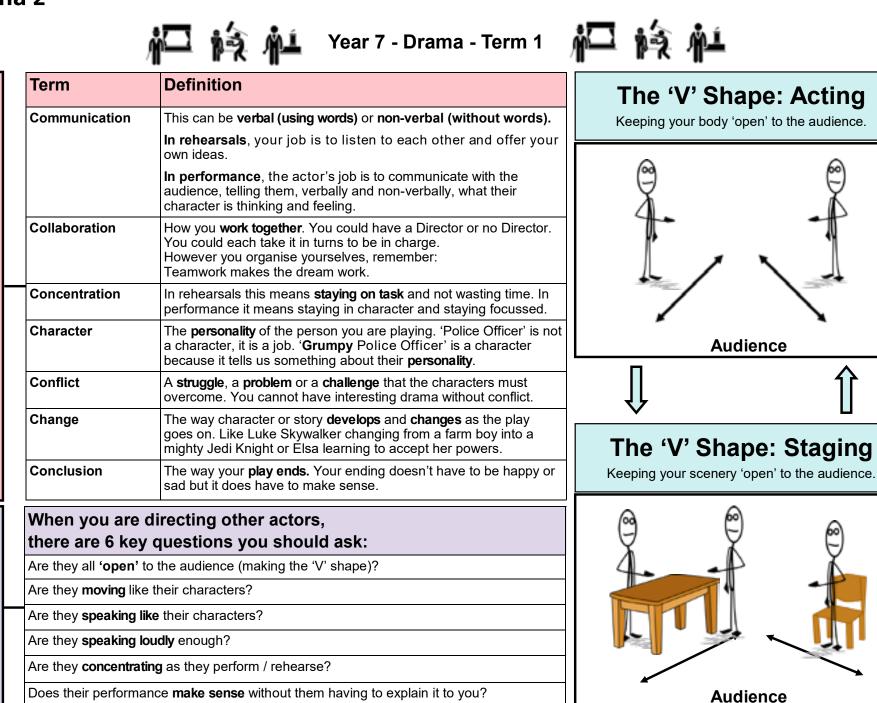
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The

**Directing Skills** 





# English



#### IMPORTANT TERMS

 $\label{eq:MORPHEME-A chunk' of a word that carries meaning.} Morphemes are the smaller components that words are made of.$ 

MORPHOLOGY – The study of how words are formed from smaller parts.

ETYMOLOGY – The study of where words come from and how they evolve over time.

PREFIX – A morpheme added to the beginning of a root word or morpheme to alter the meaning in some way.

SUFFIX – A morpheme added to the end of a root word or morpheme to alter it meaning in some way.

BOUND MORPHEME – A morpheme that cannot stand as a word on its own: it must be used in combination with another morpheme in order to form a word. Prefixes and suffixes are bound morphemes, as are most of our root morphemes.

FREE MORPHEME – A morpheme that can stand as a word by itself, such as 'book'. While most of our bound morphemes come from Latin or Greek, many of our free morphemes can be traced to other ancient languages.

 $\mathsf{LATIN}$  – An extinct language, spoken by the Romans, from which we get many of our morphemes.

GREEK – Another extinct language, older than Latin. We tend to see Greek morphemes in technical or scientific words.

ANGLO-SAXON – The language also known as Old English, spoken by the Germanic peoples who settled in England in the  $5^{th}$  century. This language evolved into the language we speak today.

DUAL VARIATION – A pair of synonyms (words with the same meaning) for which each of the two words can be traced back to a different language, e.g. *bring/carry; buy/purchase; weird/strange; weep/cry*.

# English Department

Communication contains several different levels of meaning, which we can represent as a hierarchy.

PARAGRAPHS are groups of sentences collected around a single focus or topic.

Morphology

erm

H

Autumn

SENTENCES are strings of words placed together to express a complete thought or meaning. Sentences are made out of...

CLAUSES, which must consist of a noun and a verb. In addition to clauses, sentences can also contain...

PHRASES, which are smaller units of meaning usually made up of two or more words, and which do not make sense on their own. Phrases, like clauses, are made out of...

WORDS, which are single elements of language (i.e. sounds we speak) that have clear, distinct meanings. We call the meaning of a word its *definition*. Words are built out of...

MORPHEMES, which are the smallest level of meaning. Morphemes are the 'building blocks' of words. Some words have only one morpheme, but many words are built from several morphemes, each with its own 'flavour' of meaning. These morphemes can combine in many different ways to form different words. Once we know the 'flavour' of meaning that each morpheme contributes the word it sits within, we can get better at understanding new and unfamiliar words.

#### THE ORIGINS OF ENGLISH

The language we speak today is known as **Modern English.** This language evolved from an ancient language called **Anglo-Saxon**, which originated in northern Europe, in an area that now covers northern Germany and Denmark.

The Anglo-Saxon people migrated to England in the fifth and sixth centuries, bringing their language with them. Before the Anglo-Saxons arrived, people in Britain mostly spoke a Celtic language called Common Brittonic, and some would have spoken Latin, which had been brought to Britain by the Romans when they invaded in the midfirst century.

The Anglo-Saxon language replaced Common Brittonic across most of Britain, eventually becoming the language we speak today; however, Common Brittonic survived in Cornwall and Wales, and the modern Cornish and Welsh languages are directly descended from this language.

The Anglo-Saxon language, also known as Old English, evolved into Middle English, which was in use from around the  $11^{th}$  century until the end of the  $15^{th}$  century. Compared to Old English, Middle English is much easier for us to read and understand; this is because it is closer to the language we speak today.

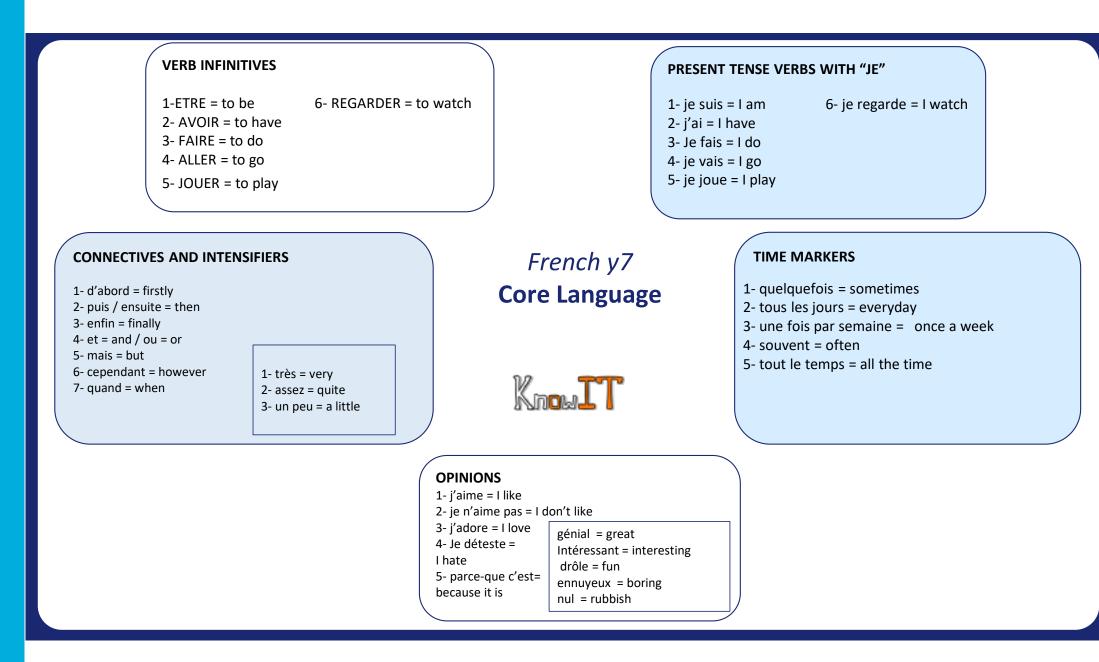
#### WORD ORIGINS

Although the systems and rules that underpin our language come from Anglo-Saxon, many of the individual words that we use have their origins in other languages, as shown below.

29% of our words come from Latin;
29% of our words come from French;
26% of our words come from Germanic languages, including Anglo-Saxon;
6% of our words come from Greek;
10% of our words either originate with names or other languages, or have unknown origins.

# French - Core Language







#### Greetings

Bonjour / salut = hello / hi Au revoir = good bye A bientôt = see you soon Comment ca va? = how are you Ca va (bien) = I'm good Ca va mal = I'm not good Bof / comme-ci comme ca = so so Comment tu t'appelles = What's your name? Je m'appelle... = My name is...

# Age and numbers

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

	,
1 = un	14= quatorze
2= deux	15= guinze
3= trois	16= seize
4= quatre	17= dix-sept
•	
5= cinq	18= dix-huit
6= six	19= dix-neuf
7= sept	20= vingt
8= huit	
	21= vingt et un
9= neuf	22= vingt deux
10= dix	5
	30= trente
11= onze	31= trente et un
12= douze	
13= treize	

# **Basics** in French

# Days and months

Mon anniversaire c'est le... = my birthday is... Mars = March Lundi = Monday Avril= April Mardi = Tuesday Mercredi = Wednesday Mai = May Jeudi = Thursday Juin = June Jullet = JulvVendredi = Friday Août = august Samedi = Saturday Septembre = September Dimanche = Sunday Novembre = November Janvier = January Décembre = December Février = February

# Colours and pets

Ma couleur préférée c'est le..= my favourite colour is J'ai = I have bleu = blue un chien = a dogvert = green un chat = a cat jaune = yellow un lapin= a rabbit rouge = red un poisson = a fish orange = orange un oiseau= a bird rose= pink un cheval = a horse violet = purple marron / brun = brown un hamster une souris = a mouse blanc = white qui s'appelle = called.. noir = black

# Family

Mon père s'appelle... = my dad is called... Ma mère s'appelle .. = my mum is called... Mon beau-père s'appelle... = my stepdad is called

Ma belle-mère s'appelle... = My stepmum is called...

Mon frère s'appelle... = my brother is called... Ma soeur s'appelle... = my sister is called... Mes frères s'appellent... = my brothers are called...

Mes soeurs s'appellent... = my sisters are called...

# Classroom French / Travel Phrases

Pouvez-vous répéter? = can you repeat? S'il vous plait = please De rien = you are welcome Je ne sais pas = I don't know Je ne compredns pas = I don't understand Je voudrais... = I would like... Où est... = Where is..? C'est combien? = How much is it? Excusez-moi / pardon = Excuse me / sorry Je suis Anglais = I am English

# French - Topic 1 - C'est Perso!



Manager and the state of the state	the second s
Mon autoportrait • /	
les animaux (m pl)	animals
les araignées (f pl)	spiders
la capoeira	a Brazilian dance
les chats (m pl)	cats
les chiens (m pl)	dogs
le cinéma	cinema
les consoles de jeux (f pl)	games consoles
la danse	dancing
le foot	football
les gâteaux (m pl)	cakes
le hard rock	hard rock
l'injustice (f)	injustice
les insectes (m pl)	insects
les jeux vidéo (m pl)	video games
les livres (m pl)	books
la musique	music
les mangas (m pl)	mangas
les maths (f pl)	maths
les pizzas (f pl)	pizzas
la poésie	poetry
le racisme	racism
le rap	rap
le reggae	reggae
les reptiles (m pl)	reptiles
le roller	roller-skating
le rugby	rugby
le skate	skateboarding
les spaghettis (m pl)	spaghetti
le sport	sport
la tecktonik	tecktonik (dance)
la télé	TV
le tennis	tennis
le théâtre	theatre, drama
les voyages (m pl)	journeys
la violence	violence

#### Les opinions • Opinions

j'aime	Like
je n'aime pas	I don't like
Tu aimes ?	Do you like ?
il/elle aime	he/she likes
Oui, j'aime ça.	Yes, Hike that.
Non, je n'aime pas ça.	No, I don't like that.
Tu es d'accord?	Do you agree?
Je suis d'accord.	Lagree.
Je ne suis pas d'accord.	I don't agree.
C'est	/ť's
génial	great
cool	cool
bien	good
ennuyeux	boring
nul	rubbich
essentiel	essen
important	impor
Ce n'est pas bien.	It's no

Les musiciens •	Musicians
II/Elle joue	He/She plays
de la batterie	the drums
de la guitare	the guitar
II/Elle chante.	He/she sings
II/Elle a beaucoup	He/She has a lot
de talent.	of talent.

ETRE =to be				
Je	suis			
Tu	es			
ll/ <u>elle</u> /on	est			
Nous	sommes			
Vous	êtes			
lls/Elles	sont			

#### Moi et les autres \* Me and other people je suis 1am je ne suis pas l am not you are tues il/elle s'appelle he/she is called il/elle est he/she is beau/belle good-looking branché(e) trendy charmant(e) charming cool 000 curious curieux/curieuse de taille moyenne average height drôle funny généreux/généreuse generous gentil(le) nice tall grand(e) impatient(e) impotient intelligent(e) intelligent modeste modest petit(e) small

#### Les mots essentiels • High-frequency

polite

poli(e)

	words
et	and
aussi	also
mais	but
très	very
assez	quite
toujours	always
Gu'est-ce que ?	What ?
Gui?	Who ?

# FRENCH Y7- TOPIC 1 - C'EST PERSO!

Les yeux et les cheveux • Eyes and hair				
j'ai	Thave			
tu as	you have			
il/elle a	he/she has			
mon ami(e) a	my friend has			
J'ai les yeux bleus/verts/ gris/marron.	I have blue/green/grey/ brown eyes.			
J'ai les cheveux	I have hair.			
longs/courts/mi-longs	long/short/ medium-length			
frisés/raides	curly/straight			
blonds/bruns/noirs/roux	biond/brown/black/red			

AVOI	R <sup>=to</sup> have
J'	ai
Tu	as
II / elle / on	а
Nous	avons
Vous	avez
Ils / elles	ont

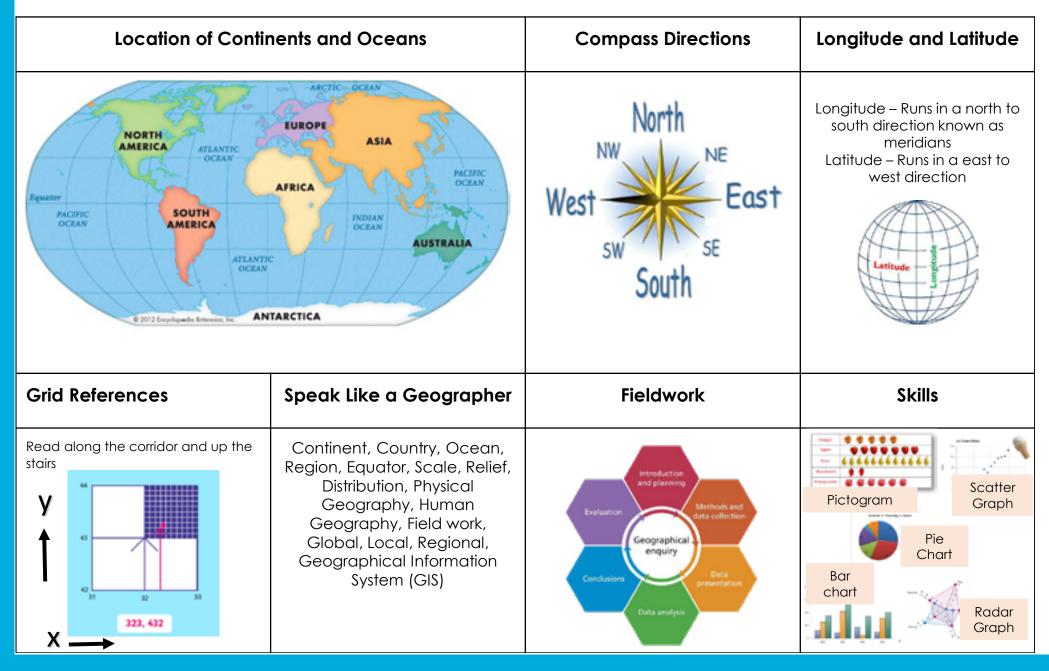


#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Geography - Wonderful World



# Year 7 Geography Knowledge Organiser Term 1: Wonderful World



# **Geography - Ecosystems**



# Year 7 Geography Knowledge Organiser Term 2: Ecosystems Explorers

Biomes of the World	Types of Biomes	Coral Reefs	Threats to Coral Reefs
Ended of the World	An ecosystem is a natural area in which plants, animals, and other organisms are linked to each other, and to the non-living elements of the environment. A biome is a large scale ecosystem. Interdependence is when organisms in an ecosystem depend upon each other.	<ul> <li>For coral to grow, there needs to be:</li> <li>Warm water all year around with a mean temperature of 18°C.</li> <li>The water needs to be clear and shallow.</li> <li>The water cannot be deeper than 30 metres. Beyond this, there is not enough sunlight for photosynthesis.</li> <li>A continental shelf. This is located on the seabed around the land, before the water depth increases.</li> </ul>	Pollution from boats, walking on the reef, runoff from sunscreens and many other activities all damage the reef. Corals cannot survive if the water temperature is too high. Harmful tourists litter the reef and break pieces off to take home as a souvenir which kills the coral and the fish. Destructive fishing methods like blast fishing or dynamite fishing damages the reef.
Responses to threats	Speak Like a Geographer	Fieldwork	Skills
<ul> <li>There are five main gyres in the world's oceans. These trap plastic and rubbish and affect marine wildlife. Several attempts to reduce the amount of plastic in the ocean have been introduced.</li> <li>A litre of light</li> <li>The flip flop recycling company</li> <li>The Plastiki</li> </ul>	Biotic, Abiotic, Flora, Fauna, Climate Zones, Coral reefs, Coral Bleaching, Interdependence, Threats, Overfishing, Goods, Services, Waste	Evaluation Geographical enquiry Conclusions Data analysis	<ol> <li>How to draw a field sketch</li> <li>Draw a frame.</li> <li>Make it simple – don't draw everything.</li> <li>Title.</li> <li>Use pencil first and then colours.</li> <li>Label it!</li> </ol>

YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# History Part 1 + 2



Year 7 History: Autumn Term		<b>Part 1. Stories of the Harrow Way</b> The Harrow Way is one of the oldest roads in Britain. As a result it has seen a lot of different people travel it over the		Part 2. 1066 And All That Following the death of Edward the Confessor. Harold Godwinson is crowned King of England. His claim is challenged by Harold Hardrada				
Key time periods:		centuries.		crowned King of England. His claim is challenged <b>by Harald Hardrada</b> (Norway) & <b>William</b> of Normandy. <b>Key Words</b>				
Neolithic	9000 BC -3000 BC	Key Words		1 - the	Monarch	-	Edward was the last	
Bronze Age	3000 BC -1200 BC	Chronological	Events or dates arranged in the	Timelines have dates arranged in	Wonarch	state who rules until death	Anglo Saxon monarch of England	
Iron Age	1200 BC -600 AD		order in which they happened	chronological order	Heir	The person next in line to inherit	Edward had no heir to the throne	
Roman Britain	43 AD -410 AD	Migrate	To move from one place to another with the intention of settling	Lots of people choose to migrate to find better places to live.	Invasion	An unwelcome intrusion into someone else's country	The Normans launched an invasion of England in 1066	
Anglo Saxons	410 AD -1066 AD	Trade	Buying and selling goods and services	People often trade things they have	Tactics	A strategy used during battle for a specific purpose	William's use of tactics helped him win the Battle of Hastings	
Medieval	1066 AD -1500 AD	Delining	Belief and	made for money	Interpretation	An opinion of what happened or what	John of Worcester's interpretation was that	
Early Modern	1500 AD -1750 AD	Religion	worship of a superhuman	Britain's official religion is Christianity		something means	Harold was a good King	
Industrial	1750 AD - 1900 AD	Economy	power To do with trade and money	War changes a country's economy	Feigned Retreat	Specific Terms Pretending to retreat du enemy	ring battle to fool the	
20th Century	1900 AD - 2000 AD	Politics	Relating to the	People who want to	Bayeux Tapestry	ayeux Tapestry An embroidered history of the events of 10		
				govern a country will often study politics	Witan	The Anglo Saxon council that advised the Kings		

# History Part 3 + 4



Year 7 History: Autumn Term			Part 3 continued: Norman England Life in Norman England had some very distinctive features		Part 4: The power of the Church Medieval England was predominantly Christian (although there	
Part 3. How did the Normans keep control Once William became King, he asserted			that demonstrate how the Normans had an impact on England Specific terms		were some Jewish people in the bigger cities). The Church taught that by living a good life you would be rewarded with Heaven when you died. Sinners would go to Hell. You could ease your way into Heaven by contributing money to the Church or by going on <b>Crusade</b> .	
his authority over the Kingdom in different ways. Whilst he made lots of changes, there was also some continuity in how England was ruled Key words			Feudal System	All land in England now belongs to William. He awards large areas to his Knights in return for military service & taxes. They in turn give land to local lords who have peasants (serfs) work their land and pay taxes.	Churches were also used to hold <b>trial by ordeal</b> . The church sometimes came into conflict with the monarchy about who had the most power. This was particularly true when <b>Thomas Becket</b> was Archbishop of Canterbury.	
Change	When things are noticeably different from how they were before	There was a change to the monarch after 1066	Tithings	All men in a village were grouped in tens. Each group was responsible to each other for their behaviour. If one committed a crime it was up to the rest to ensure he faced justice.	Doom paintings	Showing visions of Hell were shown in many Churches. These were meant to remind the congregation that they needed to behave
Continuity	When things stay the same over time	The religion of England was one continuity after 1066	Castles	Motte & Bailey castles are built quickly to protect Norman soldiers from attack. These are replaced by stone built castles with battlements and moats, drawbridges and	Divine Right of Kings	A monarch's belief that his or her power comes directly from God
Consequence		One consequence of the Norman invasion was the change in monarch		thick walls.	Benefit of Clergy	Priests were allowed to be tried in the more lenient church courts
consequence			Forest Laws	William liked to hunt. Any Saxon found in the forests would be accused of poaching and be blinded.	Pilgrimage	A journey undertaken for a religious reason
Laws	The rules by which a country is governed	Many Saxon laws such as trial by ordeal were kept but trial by combat was added to allow Norman Knights to settle disputes by fighting.	Domesday Book	1085 William orders a survey to see how much England is worth. Andover is on the top 20% of English villages.	Sanctuary	A refuge. People could claim sanctuary in churches if they had committed a crime
			Murdrum Fine	This was a fine imposed on an entire village if a Norman soldier was found dead.	Ex-Communicate	To be thrown out of the church. You could not be baptised or take communion



# Year 7 Computing Knowledge Organiser – Careers and Data Representation

#### Some Careers in Computing

Software engineer - design and write programs for all types of computers, Hardware Engineer - design, develop, test and produce computer systems and various physical components related to all computer systems. Networking Engineer - plan, implement and oversee the computer networks

**Cyber Security** - responsible for discovering vulnerabilities and risks in networks,

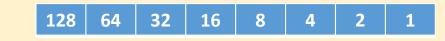
**Software designer / developer** - designs and builds computer programs **Software tester** - They test the systems works as they are intended.

Wed Designer/Developer - responsible for the design and construction of websites

**Robotics engineers** - Designs and develops robotic prototypes. Constructs, configures, tests, and debugs robots and robotic systems. Installs,

operates, calibrates, and maintains robots

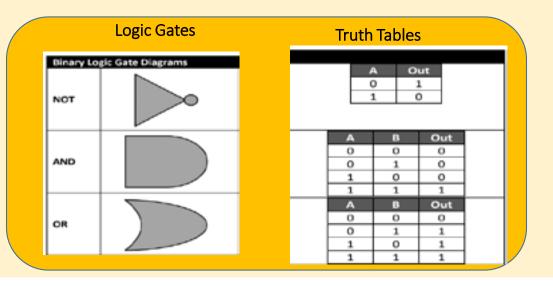
**Data Analysis** - collect, organise and interpret statistical information to help colleagues and clients use it make decisions.



#### Key words

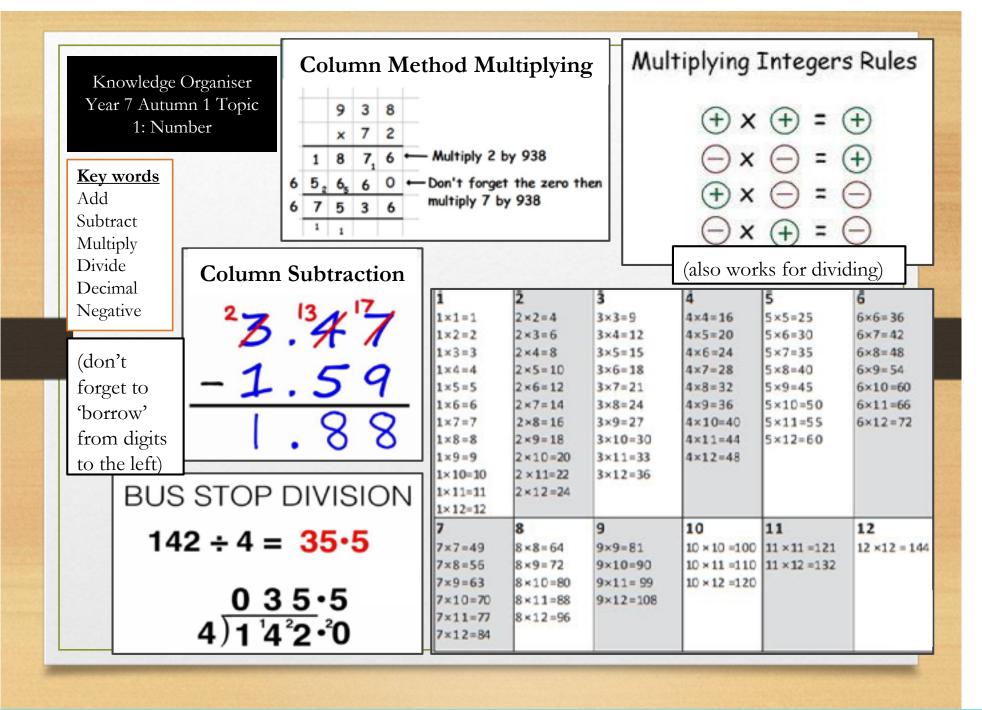
Resolution	how big the pixels are in the image
Meta Data	Data which helps computers process images including image size, Colour depth and Resolution.

Key words				
Binary	1 or 0 the only language that computers understand.			
Denary	Counting using base 10 (0-9)			
Bit	The smallest amount of data (0 or 1)			
Nibble	4 bits – ½ a Byte			
Byte	8 bits – representing a character on the keyboard			
Kilobyte	1024 bytes			
Megabyte	1024 Kilobytes			
Gigabyte	1024 Megabytes			
Terabyte	1024 Gigabytes			



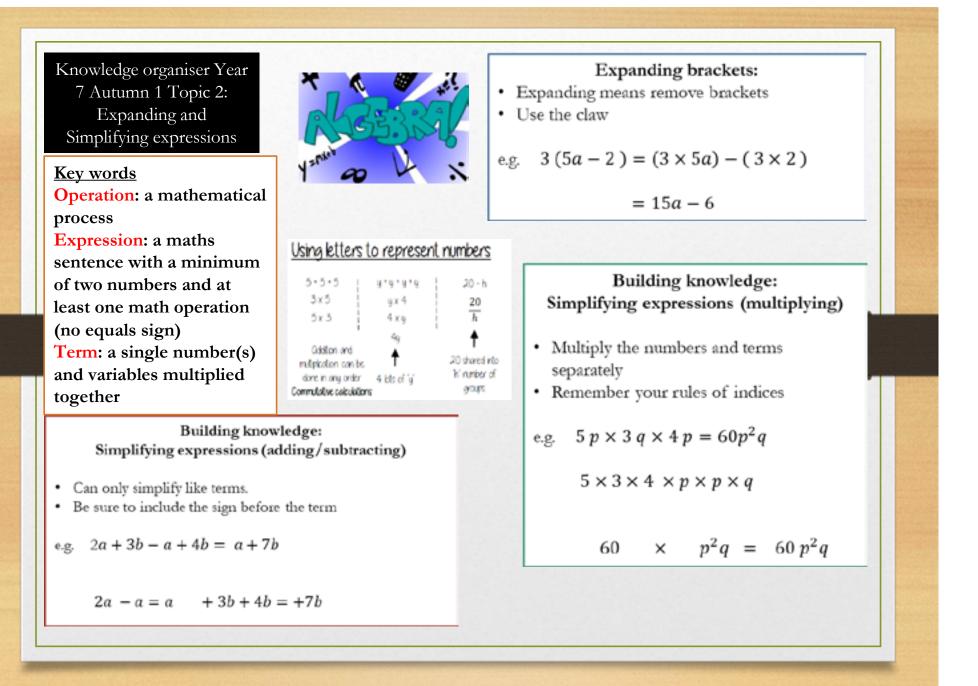
# Maths - Number





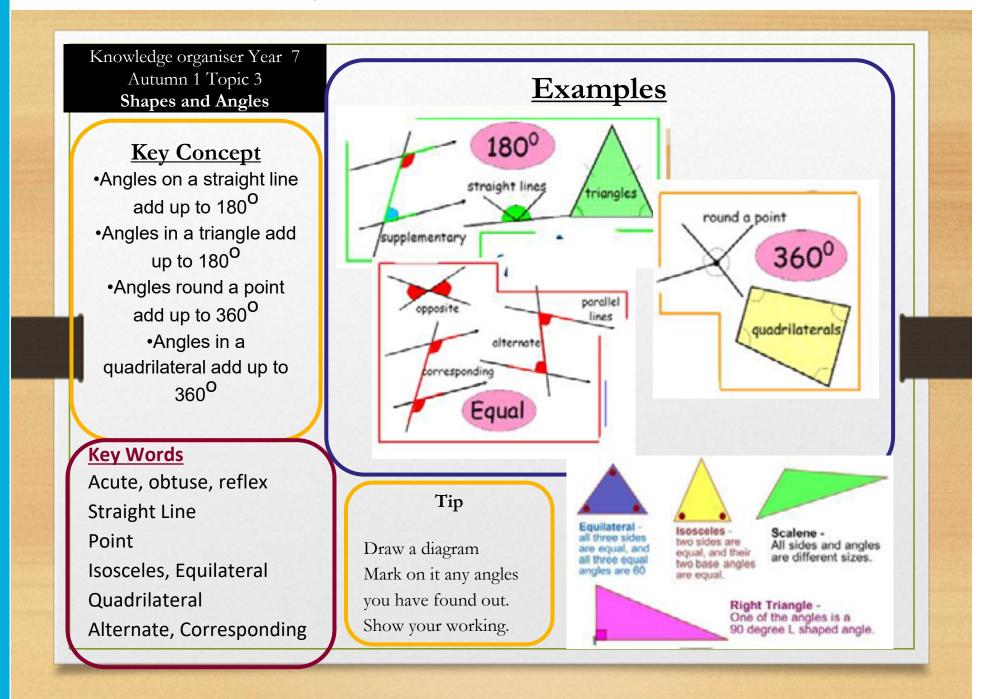
# Maths - Expanding & Simplifying Expressions





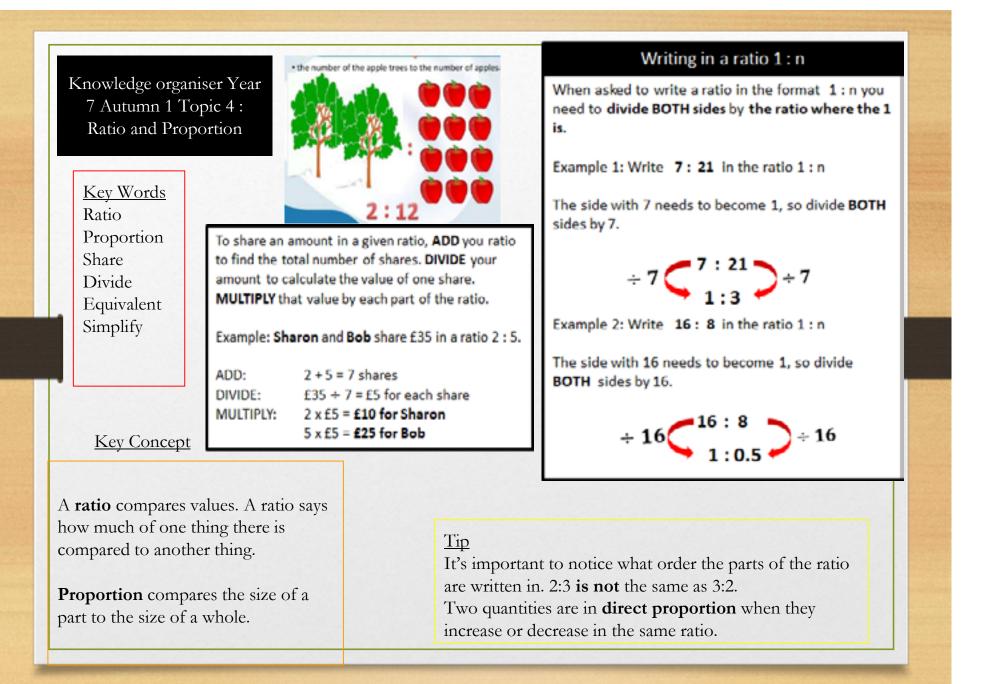
# Maths - Shapes and Angles





# Maths - Ratio & Proportion





#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Maths - Percentages



Knowledge organiser Year 7 Autumn 2 Topic 1: Percentages

> <u>Key Concept</u> Percentage - is a part of a whole, out of 100 Percentages can increase or decrease

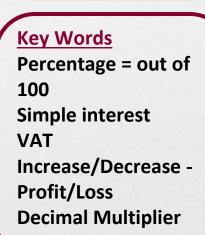
# Examples

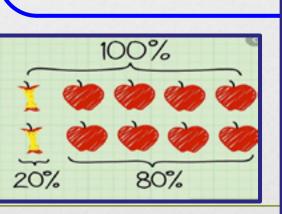
10% of a quantity = divide by 10 1% of a quantity - divide by 100

 $10\% \text{ of } \pounds 350 = \pounds 35$  $1\% \text{ of } \pounds 350 = \pounds 3.50$ 

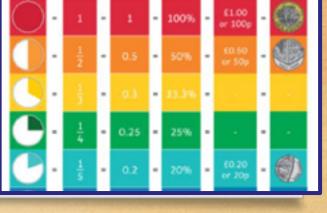
Decimal Multiplier Increase = 100+ Decrease = 100 - Increase £200 by 22% 100+22 = 122%, divide by 100 = 1.22£200 x 1.22 = £244Decrease £200 by 22% 100-22=78%, divide by 100 = 0.78£200 x 0.78 = £156

Increase/Decrease



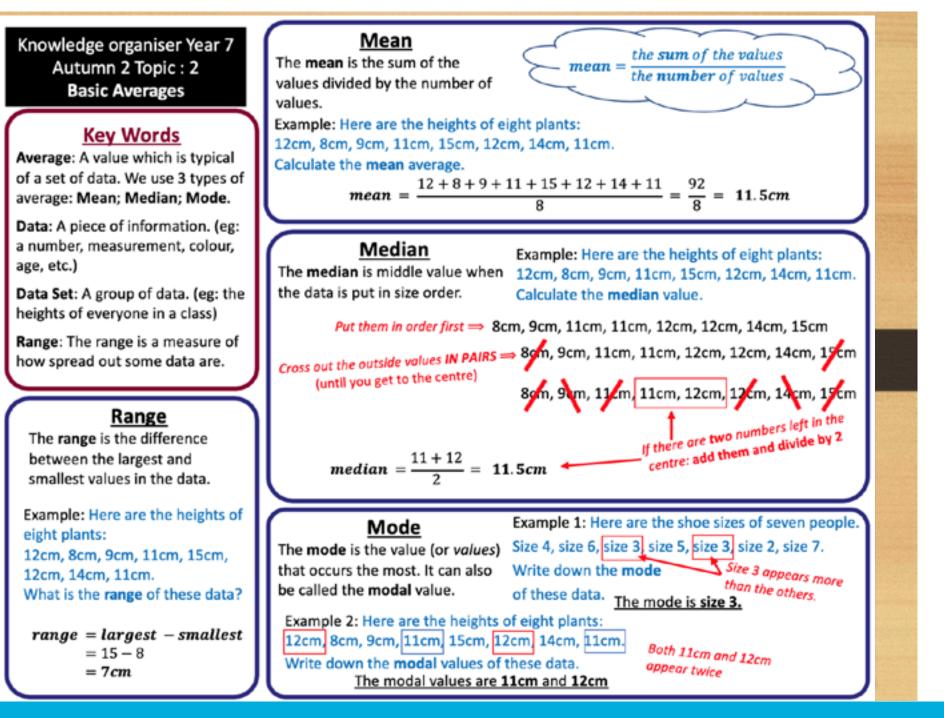






# Maths - Basic Averages

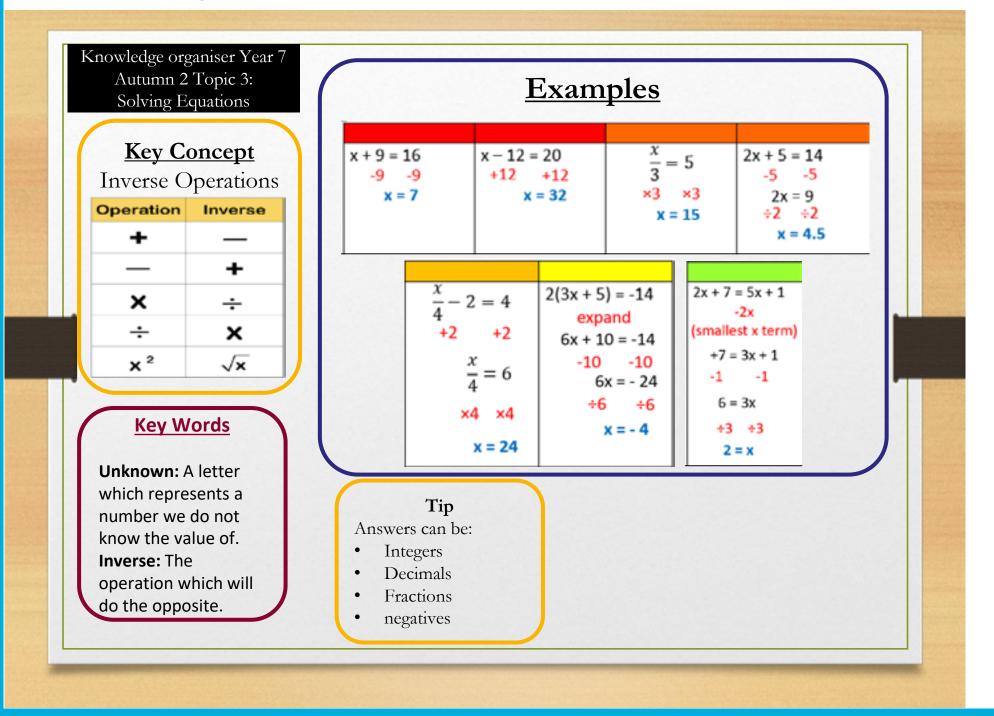




YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Maths - Solving Equations



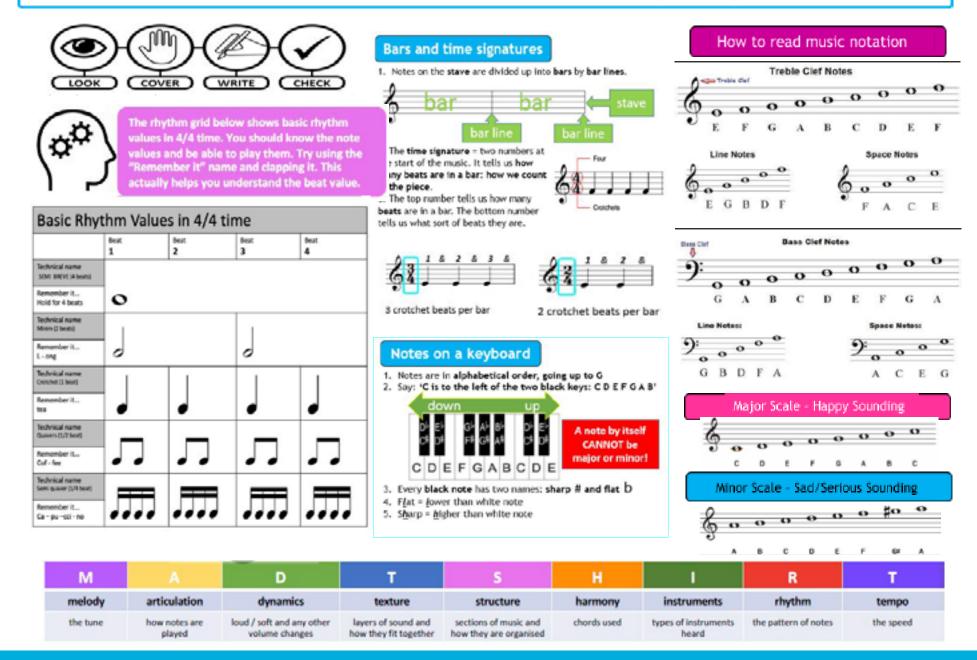


#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **Music - Basic Theory & Keywords**



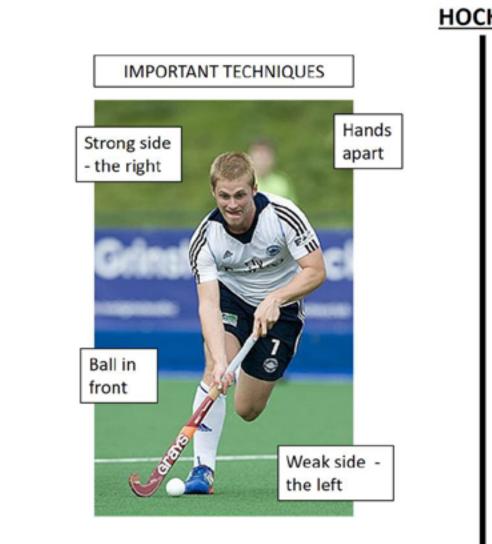
#### KNOWLEDGE ORGANISER - Year 7 - Basic Theory and Keywords



YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **PE - Sport - Hockey**



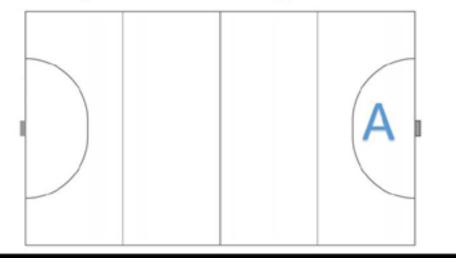


# HOCKEY

#### Overview of the rules

The rules of hockey are very similar to the rules of football except that players must use sticks instead of their feet to play the ball. There are 11 players on a team made up of a goalkeeper, defenders, midfielders and attackers.

- Use the "front" (flat) side of the stick. 1.
- 2. Cannot use feet.
- 3. At re-starts or free hits, the defending team must stand 5m from the ball.
- Can only score from inside the "D" (A). 4.



# PE - Sport - Basketball



# BASKETBALL

#### **Rules for Offence**

When a player has the basketball (offence) there are certain rules they must follow:

1. The player must bounce the ball with one hand while moving both feet. If both hands touch the ball or the player stops dribbling, the player must only move one foot.

 Once a player has stopped dribbling they cannot start another dribble. A player who starts dribbling again is called for doubledribble.

3. A player can only start another dribble after another player from either team touches or gains control of the basketball.

#### **Defensive Rules**

The team on defence is the team without the basketball.

1. The main rule for the defensive player is not to foul. This means the defensive player may not touch the offensive player in a way that causes the offensive player to lose the ball or miss a shot.

#### **Rules for everyone**

1. Although the foul rule is described as a defensive rule, it applies exactly the same to all players on the court.

2. Basketball players cannot kick the ball or hit it with their fist.

The positions in basketball are just for basketball strategy and there are no positions in the rules.

# IMPORTANT TECHNIQUES



# **PE - Sport - Badminton**



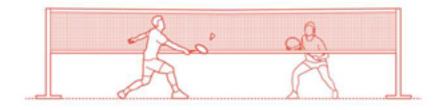
# BADMINTON

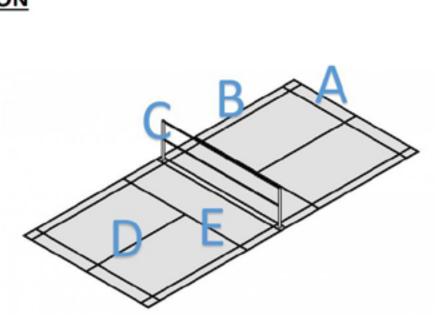
#### Overview of the rules

Badminton is a net game and played as singles (two opposing players) or doubles (two opposing pairs). The aim of the game is to win points by hitting a shuttlecock across the net and into your opponent's court forcing your opponent to make an error and be unable to return the shuttlecock back.

The basic rules

- 1. You must serve underarm
- 2. A serve must reach the front service line
- 3. If the shuttle lands on the edge line of the court, this is IN
- If you win a rally, you get a point added to your score and you serve next
- 5. You can only hit the shuttle once in a row
- 6. In a full game, the game is the first player to 21 points





- A: Baseline: the end of the court
- B: Side line: the side edge of the court C: The net
- .: The net
- D: Centre line: the middle of the court
- E: Service line: where a rally is started



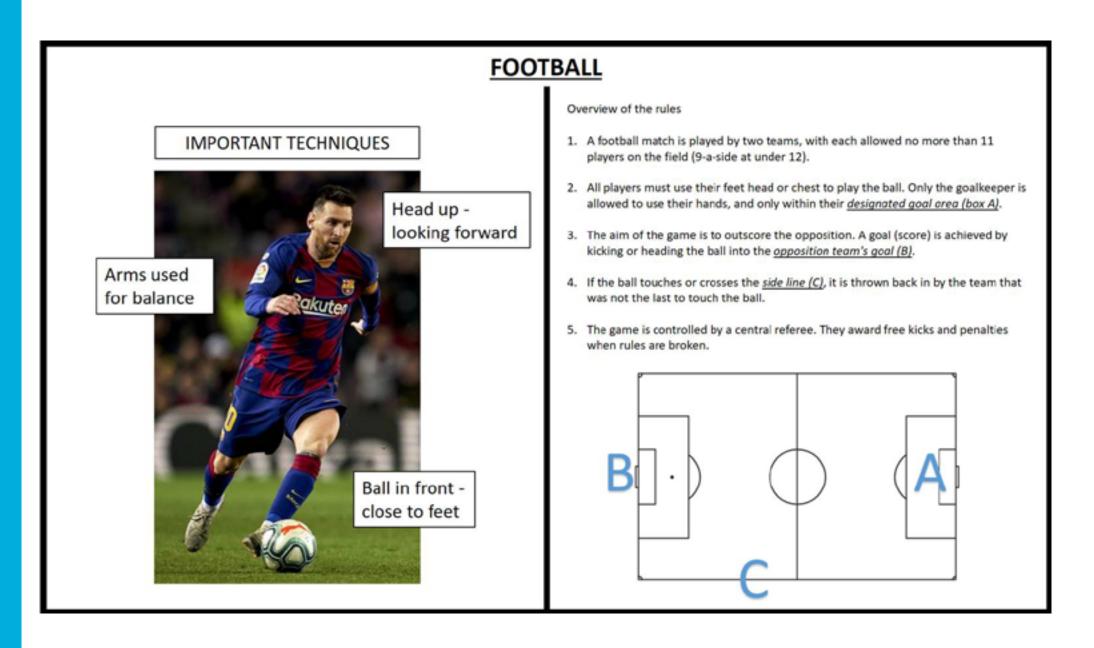
#### NETBALL Rules and skills of Netball The starting positions of **Goal Third** 1. 3 seconds on the ball – Players are only allowed to the players in GK GS have the ball in possession for 3 seconds. netball. GS = Goal Shooter WD GO 2. Start of a game - a game starts with a pass that must GA = Goal Attack be received in the centre third. This is also how a game WA = Wing Attack C = Centre C re-starts. WD = Wing Defence GD = Goal Defence Centre Third GK = Goal Keeper 3. Shooting -Players can only shoot form inside the "D". C 4. Footwork – Players cannot more their landing foot (first foot to hit the floor) when they have the ball. Contact – contact is not allowed in netball MD S S 6. Penalty pass - Awarded for major fouls: Contact and Goal Third SR obstruction. 7. Distance - Defending players must be 0.9m away from the ball before putting up their arms to defend. 2.



#### RUGBY Overview of the general rules Rugby has may variations but the aim of the game is very simple - use the ball to score more points than the other team. 1. Scoring a "try". A try is scored when the ball is placed down on the playing surface with pressure in the in goal area by the attacking team. A - Try line and ingoal area. 2. Moving the ball. To move the ball toward the line you can run with it, B - Side line kick it and pass it. However, passing or knocking the ball forwards (unless C - Half way line D - Dead ball line, kicked) is not allowed. the end of the pitch. 3. Kicking . Kicking is allowed but must kicked from the hands and not 1. Tackling rules: while the ball is on the floor. 2. The tackler must grasp/ wrap the ball carrier below the armpits, on 4. Offside. Players are not allowed to receive the ball if they were in front the shirt, shorts or around the legs. The grasp must be simultaneous of the ball when it was passed or kicked. with, or prior to, shoulder contact. 5. Penalties. A penalty can be awarded by the referee if any player breaks 3. The tackler must not shoulder barge their opponent. the laws of the game, this will lead to a turnover of possession. The opposition can choose to tap and run, tap and pass or kick to resume the 4. When a tackle is called the player can pass the ball to team mate or game. present the ball on the ground for a team mate. 6. Starts and re-starts. If the ball goes out of play the ball is passed back in 5. The ball is not allowed to be contested by the opposition. by the opposition. The ball is kicked from the half way line forward at the TOUCH VERSION - use two hands to touch the player at the waist. 6. start of the match and after each try. They then have 2-3 seconds to pass or present the ball.

# PE - Sport - Football





#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# PE - Theory - Part 1

nts	Cardiovascular endurance	The ability of heart and lungs to deliver oxygen to the working muscles.	Multi-stage Fitness Test
mpone	Muscular Strength	The ability to overcome resistance.	Grip strength dynamometer Test
Health-related components	Muscular Endurance	The ability of a single muscle or group to undergo contractions avoiding fatigue.	Sit up Test
lth-rel	Flexibility	The range of movement possible at a joint.	Sit and Reach Test
Неа	Body Composition	A comparison of the percentage of bone, fat, water and muscle within the body.	вмі
	Speed	The maximum rate at which an individual can perform a movment or cover distance.	30m Sprint Test
nents	Power	Explosive strength is the product of speed and strength. Speed x strength.	Vertical Jump Test
I-related components	Agility	The ability to move and change direction at speed while maintaining control.	Illinois agility test
elated	Coordination	The ability to use two or more body parts smoothly and efficiently.	Wall throw test
Skill-r	Balance	The maintenance of the centre of mass over the base of support.	Stork Stand Test
	Reaction Time	The time taken to initiate a response to a stimulus.	Ruler Drop Test

Cranium Clavicle Sternum Humerus Ribs Radius Pelvis Ulna  $f_{1}$ 10 Femur -Patella Tibia Fibula Structure of the skeletal system Scapula Vertebral column 爋 厭 Tarsals Carpals Metatarsals Metacarpals Phalanges Phalanges

Structure of the skeletal system

YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM



# PE - Theory - Part 2



	Phases of a Warm Up (1)			
	Term Phase Description			
1	Pulse Raiser	First	Light continuous activity such as slow jogging, is used to increase heart rate and blood flow. Muscles, ligaments and synovial fluid in the joints are warmed, increasing flexibility	
2	Stretching	Second	Stretching the main muscle groups and joints increases their elasticity and mobility so that they are less likely to be strained.	
3	Skills Specific	Third	Sport specific drill performed to focus on muscle groups that come under particular stress in the planned activity.	

	Principles of a Warm Up (2)		
	Principle Description		
1	Prepare the Body	To gradually prepare the body and mind for physical activity.	
2	Increases Body Temperature	Makes muscles, tendons and ligaments more elastic increasing range of movement and reducing the risk of injury at a joint or in a muscle.	
3	Increase Blood Flow	By increasing the heart rate, blood flow increases resulting in an increase in the oxygen being supplied to muscles.	
4	Injury Prevention	To ensure that muscles are stretched and prepared for physical activity to avoid injuries such as strains.	

	Principles of a Cool Down (3)		
	Principle	Description	
1	Prevent Muscle Soreness	To gradually allow the body and mind for recover from physical activity.	
2	Reduce Body Temperature	Allows muscles to cool down slowly reducing the chance of tightness and muscle ache to set in after activity. Allows the body to slowly return to its resting state.	
3	Reduce Heart Rate		

	Immediate Effects of Exercise of	an the Body (1)	Characterized at the second seco
	Immediate Effects of Training	Body System	Structure of the muscular system
1	Increase temperature of synovial fluid	The Skeletal System	Partarala 🗿 🔿
2	Increased flexibility	The Skeletal System	Pectorals
3	Rise in muscle temperature		Biceps Deltoid
4	Increased blood flow to muscles	The Muscular System	Abdominals Triceps
5	Increased flexibility	ine muscular system	External Latissimus Dorsi
6	Muscle soreness (DOMS)		Obliques
7	Increased heart rate, cardiac output		Hip Flexor Gluteus Maximus
8	Blood diverted to muscles from digestion and other systems (vascular shunting)	The Cardiovascular System	Quadriceps Hamstring
9	Increase in blood pressure		
10	Increased rate of breathing		Tibialis Anterior
11	Increased rate of gaseous exchange	The Respiratory System	
12	Increased depth of breathing		

YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# **PSHE - Friendships**



			] [
Define: <b>Platonic Relationship</b> A friendship or	Frie	ndships	Toxic Friendships         Sometimes people who claim to be your friends can show bullying behaviour. This
relationship where there is no romantic, intimate or sexual feelings. Friends and Colleagues.	Good friends make you feel good	Good friends say and do things that make you feel good, giving compliments and congratulations and being happy for you.	<ul> <li>is sometimes called a 'frenemy' but is a type of toxic relationship. You can spot them by:</li> <li>They might say "brutally honest" things to you which are unkind or hurtful</li> <li>Put pressure on you to do things you don't want to do</li> <li>Be manipulative (e.g. 'If you were my friend you would')</li> <li>Put you down</li> </ul>
Define: Intimate Relationship	Good friends listen	A good friend allows you to talk and doesn't interrupt you. They're interested in what you have to say.	<ul> <li>Laugh at you, or encourage others to laugh at you</li> <li>Talk about you behind your back</li> <li>Deliberately exclude you from group chat and activities</li> <li>Take the "banter" too far</li> <li>Share things about you online</li> </ul>
A relationship which can include a sexual attraction and sexual activity.	Good friends support each other	If you're feeling down, a good friend will support you. If you need help, a good friend will try to help you out.	•Make you feel bad about yourself What to do if you are in a toxic friendship
Boyfriend. Girlfriend, Married Define: <b>Familial</b>	Good friends are trustworthy	If you tell a good friend something private, they won't share it. You can trust a good friend not to be judgmental.	<ul> <li>•Remember: the problem isn't you: Hold on to that thought. Their behaviour might make you feel bad, but they need to change, not you.</li> <li>•Talk to them about how their behaviour makes you feel: Explain calmly and without accusation. Be specific, Tell them what you'd like</li> </ul>
<b>Relationship</b> A relationships with someone who has a blood, kinship or legal tie to you. Parents, Siblings etc.	Good friends handle conflict respectfully and respect boundaries	A good friend will tell you if you've done something to hurt them. If you tell a good friend they've hurt you, they'll be sorry and won't do it again.	to happen moving forward. Their response will tell you a lot, sometimes our behaviour hurts others without us realising. •If they apologise, give them another chance: If they mean it, they'll change their behaviour and stop making you feel bad. However, sometimes frenemies might apologise insincerely, and their behaviour afterwards won't change. If they're still making you feel bad despite what you've told them, it's time to move on.
Define: <b>Toxic Relationship</b> A relationship that has a negative impact on your mental health and self-esteem.	Friends not followers	In the digital world you can feel under pressure to have a lot of friends and followers. Remember that you only need a small circle of friends to be happy,	<ul> <li>•Make new friends: Moving on can be scary, but you deserve people in your life who support you and make you feel good about yourself. See our guide to making new friends for help.</li> <li>•Don't retaliate: It can be tempting to encourage others to exclude your former frenemy, or to put them down behind their back. Don't do this: you're only showing the same behaviour you found difficult in them.</li> </ul>

# **PSHE - Puberty**



#### Female Genitalia - External Define: **Physical Changes** Things to Remember Puberty The process of Clitoris Puberty begins at development from Facial Hair Labia majora Opening of urethra different times for child to adult. Usually Voice Breaks different people. consisting on both Opening of vagina Boys Only Labia minora Erections physical and emotional Ê changes. Wet Dreams •Changes will happen Hymen Perineum Widening of the chest and at different rates and in Anus a different order for shoulders Define: different people, Adolescence Menstruation/Periods begin A life stage which is Female Genitalia - Internal **Girls Only** Breast growth •Everyone goes between the ages of 9-Fallopian tubes 18 and is typically Stretch marks through puberty, you where puberty occurs. are not alone. Hips Widen ovarv uterus Define: •Good diet and Growth of pubic hair cervix **Menstruation** exercise can help deal Spots and pimples vagina Also known as a Both with some of the Greasy skin and hair period. The process in physical changes. Grow taller a woman of **Body Odour** discharging blood •Puberty is normal and other material from the lining of the despite feeling very Male Reproductive System uterus every 28 days. Who Can you turn to for help and Support abnormal. This happens up until Parents or trusted family Teachers or school Staff menopause and members Your Doctor or Practice School Nurse pauses during Nurse pregnancy. NSPCC Helpline: 0808 800 5000 (24 hours, every day) Define: nspcc.ora.uk Childline Helpline: 0800 1111 (24 hours, every day) Wet Dream https://www.childline.org.uk An involuntary ejaculation that NHS Live www.NHS.UK/Livewell occurs when a person Well is asleep. Website

#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

#### 47

RE - Part 1



Year 7 Knowledge Organizer Autumn Term

#### Why are the 5 Pillars important to a Muslim?

Carrying out these obligations provides the framework of a Muslim's life, and weaves their everyday activities and their beliefs into a single cloth of religious devotion.

No matter how sincerely a person may believe, Islam regards it as pointless to live life without putting that faith into action and practice.

Carrying out the Five Pillars demonstrates that the Muslim is putting their faith first, and not just trying to fit it in around their secular lives.

<u>Speciesism;</u> placing one species above another. e.g. eating meat.

Sentient: having emotions and being aware of oneself.

Do we treat animals well? Do we take medication tested on them? Do we eat meat and wear leather? A Muslim follows Islam A Christian follows Christianity A Jew follows Judaism

What is authority? Who has authority over us? Think of all the reasons why this is a good thing. How can the 5 Pillars be an authority for Muslims?; give guidance and help during difficult times.

	<u>Key Words</u>
Shahadah <mark>(faith)</mark>	sincerely reciting the Muslim profession of faith
Salah <mark>(prayer)</mark>	performing ritual prayers in the proper way five times each day
Zakah <mark>(charity)</mark>	paying an alms (or charity) tax to benefit the poor and the needy
Sawm <mark>(fasting)</mark>	fasting during the month of Ramadan
Hajj (pilgrimage)	pilgrimage to Mecca

#### The Five Pillars consist of: <u>Shahadah</u> <u>Salat</u> <u>Zakat</u> <u>Sawm</u> <u>Haji</u>

The 5 Pillars have been around for roughly 1500 years. They pre-date many laws.

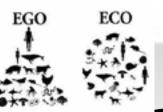
Shahadah is the most important pillar because...'





What causes suffering to humans? Different types of suffering; emotional, physical, psychological etc. someone can be starved, called names or treated less well than their peers which all contribute towards suffering. Peter Singer's quote is not about if they can talk or reason but if they can suffer which is the most basic emotion in terms of how we treat people.

> Speciesism: Why do we treat animals differently to humans? Prejudice, history and how society regards animals. Most of us never think about the meat on our plate and where it has come from or whether it was treated well. If we say we want to treat animals the same as humans we would technically have to give up meat, fur and medicines tested on animals.



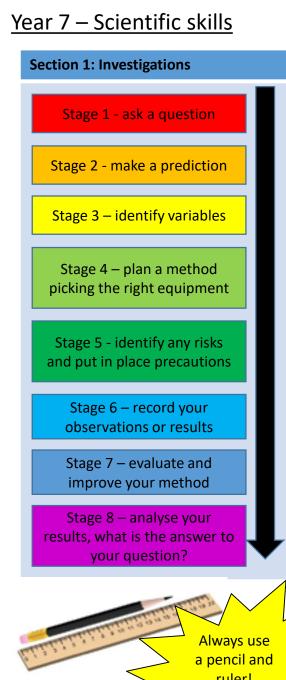
Year 7 Knowledge Organizer Autumn

Speciesism; placing one species above another. e.g. eating meat.

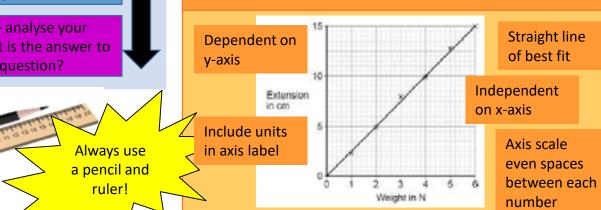
<u>Sentient</u>; having emotions and being aware of oneself.

Do we treat animals well? Do we take medication tested on them? Do we eat meat and wear leather?

# **Science - Scientific Skills**



Section 2: Variables		
Independent	The thing you are changing in the investigation	
Dependent	The thing your are measuring in the investigation	
Control	Things which you need to keep the same to make sure it is a fair test.	
Section 3: Key	terms	
Accuracy	Using the appropriate equipment so your results are valid	
Precision	This is how many decimal places you make your measurements e.g. 3.24cm is more precise than 3.2cm	
Repeatability	How likely it is you would get the same results if you repeated the experiment	
Reproducibility	How likely it is someone else would get the same results as you if they did the experiment	
Section 4: Drav	wing graphs	



# Change the independent Measure the dependent

Section 5: Data	Section 5: Data analysis	
Mean	Add up all the values and divide by how many you have	
Range	Take the smallest value away from the largest.	
Uncertainty	Divide the range by two	



YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

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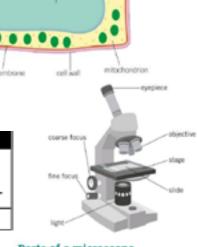


# **Y7 Cells**

Section 1: Cell Structure		Euka	Eukaryotic	
Cell Structure	Function	Animal Cells	Plant Cells	
1 Nucleus	Contains genetic information that controls the functions of the cell.	Y	Y	
2 Cell membrane	Controls what enters and leaves the cell.	Y	Y	
3 Cytoplasm	Where many cell activities and chemical reactions within the cell occur.	Y	Y	
4 Mitochondria	Provides energy from aerobic respiration.	Y	Y	
5 Chloroplast	Where photosynthesis occurs.		Y	
6 Vacuole	Used to store water and other chemicals as cell sap.		Y	
7 Cell wall	Strengthens and supports the cell. (Made of cellulose in plants.)		Y	

col membrane	chloroplast vecucle
nuclea	
milothorchian	nucleus cell membrane cell wall
An animal cell.	A plant cell.

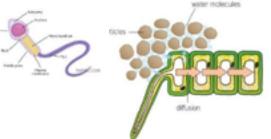
Section 3: Microscopy	
13	The degree by which an object is enlarged. Magnification= <u>sizeofimage</u> size of realobject
14 Microscope	An instrument used to magnify objects.



cytoplasm

Specialised Cell	How structure relates to function
8 Sperm cell	Streamlined head and long tail. Contains lots of mitochondria to transfer energy.
9 Nerve cell	Long and thin. Transmits electrical impulses over a distance.
10 Red blood cell	Contains haemoglobin to transport oxygen. Disc-like shape to increase surface area.
11 Root hair cell	Long extension to increase surface area for water uptake by osmosis; thin cell wall.
12 Leaf cell	Found at the top of the leaf and are packed with chloroplasts to maximise photosynthesis.





Sca	le of	mag	nitu	de

1 metre 1 millimetre 1 micrometre

i nanometre

1 picometre 1 femtometre 1 attometre

1 zeptometre 1 yoctometre

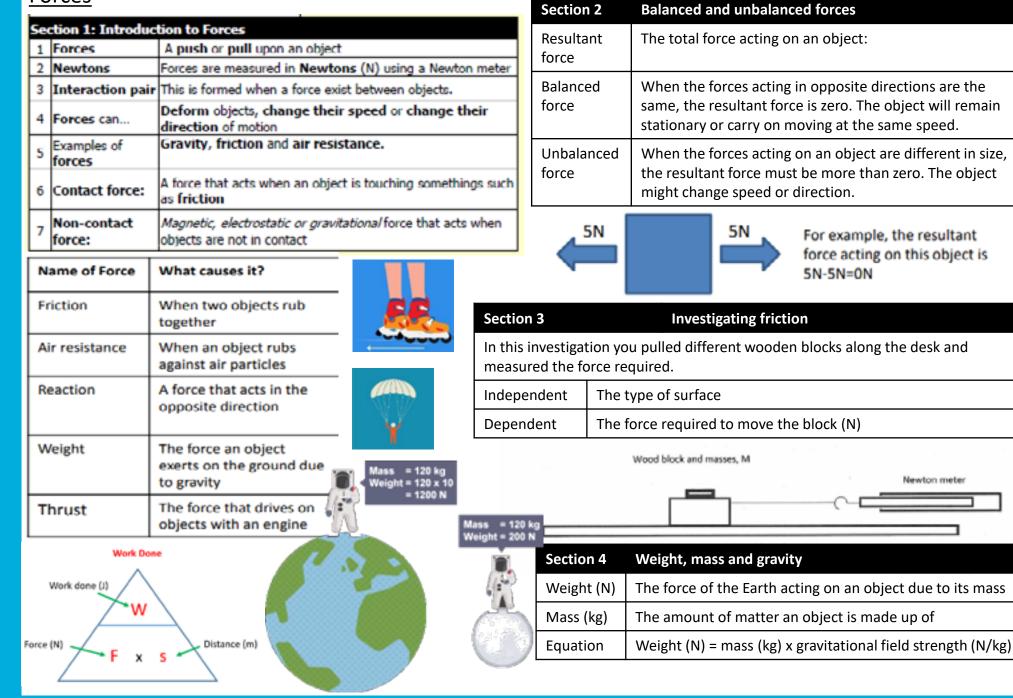
-	- 10° m	person	
		bactou	лî
	10 <sup>-2</sup> m		
	10" m	blood cell	
	10° m		.00
	10 <sup>-12</sup> m	atom	89
	-		~
	10 <sup>-15</sup> m	atomic nucleus	
	10 <sup>-38</sup> m		
	10 <sup>-28</sup> m		
	10 <sup>-34</sup> m		
	10 <sup>-27</sup> m		
	-		
	10 <sup>-30</sup> m		
	10 <sup>-33</sup> m		

Dissels scale

Section 4: Diffusion										
15 Diffusion	The movement of particles from an area of high concentration to an area of low concentration.									
16 Concentration	A measure of the number of particles of a substance in a fixed volume.									

100.00	10.00	1000	1000	1000	
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	and the second second			and the second	

## **Science - Physics - Forces** Forces



Newton meter

#### YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM



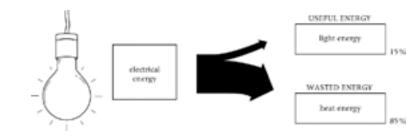
# **Science - Physics - Energy**

# <u>Energy</u>

Section 1	Energy basics
Section 1	
Energy	Measured in Joules (J). Often written in kiloJoules (kJ) energy is the ability to do work
Food	Energystorewhich we need to take in to our bodies. We need different amounts
	of energy to do different activities.
Fuel	Energy store which we need to heat houses or make transport work.
Section 2	Energy stores
Energy to do w	vith Type of store

Energy to do with	Type of store
Food, fuels, batteries	Chemical
Hot objects	Thermal
Moving objects	Kinetic
Position in a gravitational field	Gravitational potential
Changing shape, stretching or squashing	Elastic
Giving out light	Light
Giving out sound	Sound
Atoms and nuclear power	Nuclear

Town	Definition
Term	Definition
Conduction	Conduction allows energy and heat to pass through an item quickly. This is usually a solid
Convection	Convection is described as the movement of particles of gases and liquids away from a heat source to form currents.
Insulation	Materials which do not transfer energy easily from a hotter area to a cooler area are called insulators . Air and plastics are good insulators.
Radiation	All objects emit radiation. Radiation works via waves and not particles



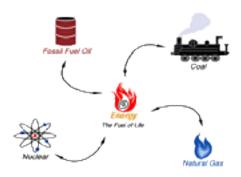
Section 3		Transferring energy						
Lawof conservation of energy		Energy cannot be created or destroyed, it can only be stored or transferred.						
Method of transferring energy		Electric current, light & sound						
Wasted energy		Energy which is transferred into a store you do not want						
Section 4	Work d	lone						
Work done The ene		ergy required to exert a force over a distance.						

Section 6	Generating energy
Fossil fuels	Non-renewable fuels coal, gas and oil. Made from the remains of sea creatures andplants.
Renewable energy	Energysources which will not run out, such as wind, solar, tidal, geothermal, wave, biomass and hydrothermal.

## Renewable Energy



## Non-Renewable Energy



## **Subject Contents**

## YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM



# **Science - Chemistry - Elements**



Word	Definition	Eleme	ents and the Periodic Table
1. Element	a substance made of only one type of atom		Property: The characteristics
2. Compound	2 or more different atoms joined together		<ul><li>of something.</li><li>Chemical properties include</li></ul>
3. Mixture	2 or more atoms and/or molecules that are not joined	together	the reactions a substance
4. Molecule	2 or more atoms chemically bonded together		can take part in.
5. Atom	smallest type of particle	<ul> <li>Physical properties include colour and boiling point.</li> </ul>	
6. Particle	A word that can be used to mean an atom or a molec	cule	alkali metals
			Itransition metals

The periodic table:

- The Periodic Table is a way of organising all the known elements.
- It was put together by Dmitri Mendeleev
- He left gaps for undiscovered elements and predicted their properties correctly

									alko tran				als				
	H H Key								halogens Non-metals						als	4 He hits	
- <sup>7</sup>	9 Be			ve atomi omic syr		7		· •	100		,	8	12 C	14 N	10	19 F	20 Ne
3	4				) number	,			liqu	id		5000	6	ribugen 7	- crospan B	fuctore 9	10
23 Na	24 Mg	N	۸ete	als				_				27 Al	28	31 P	32	35.5 CI	40 Ar
nation 11	12								gas			13	14	15	16	dilote 17	18
39 K	40 Ca	45 8c	48 Ti	51 V	52 Cr	55 Mo	56 Fe	59 Ce	59 Ni	63.5 Cu	65 Zo	70 Ga	73 Ge	75 As	79 8e	80 Br	84 Kr
19	20	21	Barbun 22	23	anopen 24	25	26	27	28	29	30	31	32	33	34	assesses 35	1000 m
85 Rb	88	89 ¥	91 27	93 NB	96 Mo	[98] To	101 Ru	103 Rb	106 Pd	108 A0	112 Cd	115	119 Se	122 Sb	128 Te	127	131 Xe
antoina 37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	wann Ko	53	54
133 Cn	137 Ba	139 La*	178	181 Ta	184 W	186 Re	190 Os	192	195 Pt	197 Au	201 Hg	204 TI	207 Pb	209 Bi	[209] Po	[210] At	[222] Bo
55	56	tentronen 57	72	73	74	75	76	77	78	79		81	82	83	esterion 84	antariana 85	nadara Parti
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Burnism 87	66	attrium 89	104	105	106	107	108	109	110	111	112	113	114	115	116	117	110

# Spanish - Mi Vida - Part 1



	Spanish	Y7- Mi Vida	(1)	Los días	Days	Los meses	Months	Saludos	Greeting
L				Lunes	Monday	Enero	January	Hola	Hello
				Martes	Tuesday	Febrero	Febraury	Buenas días	Good day
Los núm	eros 1-31	Number	s 1-31	Miércoles	Wednesday	Marzo	March	Buenas tardes	Good
Uno	1	Diecisiete	17	Jueves	Thursday	Abril	April		afternoon
Dos	2	Dieciocho	18	Viernes	Friday	Мауо	May	Buenas noches	U
Tres	3	Diecinueve	19	Sábado	Saturday	Junio	June	¿Qué tal?	How are you?
Cuatro	4	Veinte	20	Domingo	Sunday	Julio	July	Bien, gracias	Good, thanks
Cinco	5	Veinte y uno	21	· <b>T</b> iones	Demon	Agosto	August	¿Cómo te Ilamas?	What is your name?
				¿Tienes mascotas?	Do you have pets?	Septiembre	September	Mellamo	My name is
Seis	6	Veintidós	22	Tengo	I have	Octubre	October	¿Dónde vives?	Where do
Siete	7	Veintitrés	23	Un perro	A dog	Noviembre	November	(Donae vives:	you live?
Ocho	8	Veinticuatro	24	Un gato	A cat	Diciembre	December	Vivo en	I live in
Nueve	9	Veinticinco	25	Un conejo	A rabbit				
Diez	10	Veintiséis	26	Un caballo	A horse		olores	Colo	
Once	11	Veintisiete	27			Blanco/a	White		Blue
Doce	12	Veintiocho	28	Un pez	A fish	Amarillo/a	Yellow		Light blue
Trece	13	Veintinueve	29	Una serpiente	A snake	Negro/a	Black	Azul oscuro	Dark blue
				Un ratón	A mouse	Rojo/a	Red	Rosa	Pink
Catorce	14	Treinta	30	No tengo	I don't have	verde	Green	Naranja	Orange
quince	15	Treinta y uno	31	mascotas	pets	Gris	Grey	Morado	Purple
dieciséis	16					marrón	Brown	Violeta	Violet

## YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Spanish - Mi Vida - Part 2



Spanish	97- Mi Vida (2)	Palabras muy frecuentes	High	Mi pasión	My passion	Tienes: hermanos?	Do you have
¿Qué tipo de	What type of	necuentes	Frequency Words	Mi pasión es	My passion is	nermanos:	siblings
persona eres?	person are you?	Bastante	Quite	Mi héroe es	My hero is	Tengo	I have
оу	l am	No	No	El deporte	Sport	Una hermana	A sister
Divetido/a	Fun/funny	Mi/mis	Μγ	El fútbol	Football	Un hermano	A brother
stupendo/a	Brilliant	Muy	Very	La música	Music	Una	A step/half
nomenal	Fantastic	Pero	But	El tenis	Tennis	hermanastra	sister
eneroso/a	Generous	También	Also	El rugby	Rugby	Un hermanastro	A step/half brother
nial	Great	Tu/tus	Your	La escalada	Rock climbing	No tengo	l don't have
ay	Cool	Un poco	A little			hermanos	siblings
to/a	Clever	Y	And			Soy hijo único	I'm an only child (boy)
rio/a	Serious					Soy hija única	I'm an only
mpático/a	Kind						child (girl
ncero/a	Sincere	Estrategia	ົາ				
nido/a	Shy		cover, write, check	c			
ito/a	Silly	Use the five steps below to learn how to spell any word.					
nquilo/a	Calm	<ol> <li>LOOK Look carefully at the word for at least 10 seconds.</li> <li>SAY Say the word to yourself or out loud to practise pronunciation.</li> <li>COVER Cover up the word when you feel you have learned it.</li> <li>WRITE Write the word from memory.</li> <li>CHECK Check your word against the original. Did you get it right? If not, what did you get wrong? Spend time learning that bit of the word. Go through the steps again until you get it right.</li> </ol>					
resante	Interesting						
urrido/a	Boring						

# Spanish - Mi Teimpo Libre



Spanish Y7- Mi Tiempo Libre			Las estacione	The s seasons	¿Qué tiempo	What's the weather?	¿Qué haces en tu tiempo	Greeting
¿Qué te gusta	What do you like to		La primaver	a Spring	hace?		libre?	
hacer?	do?		El verano	Summer	Hace calor	It is hot	Bailo	I dance
Me gusta	l like		El otoño	Autumn	Hace frío	It is cold	Canto	l sing
Me gusta mucho	I really like		El invierno	Winter	Hace sol	lt is sunny	Hablo con mis	I talk with my
No me gusta	l don't like	¿Qué deportes		What sports do	Hace buen	It is good	amigos	friends
No me gusta nada	I really don't like		aces?	vou do?	tiempo	weather	Monto en bici	I ride my bike
Chatear	To chat	Hago		I do martial arts	Hace mal tiempo	lt is bad weather	Saco fotos	I take photos
		marcia			Llueve	It rains	Toco la guitarra	I play the guitar
Escuchar música	To listen to music	Hago	atletismo	I do athletics	Nieva	lt snows	Hago deportes	-
Jugar a los videojuegos	To play videogames	Hago	equitación	I do horseriding	Нау	There are	Toco el piano	I play the
Leer	To read	Hago	gimnasia	I do gymnastics	tormentas	storms		piano
Mandar SMS	To send texts	Hago	natación	I do swimming				
Navegar por internet	The sumfittee west		el ciclismo	I do cycling	Palabras muy frecuentes		High frequency words	
Salir con mis amigos	To go out with my	Juego		l play basketball	Con	With	Porque	Because
	friends	baloncesto		, .,	Cuando	When	También	Also
Ver la televisión	To watch TV	Juego	al fútbol	I play football	Mucho	Lots/a lot	Υ	And
Porque es	Because it is	Juego	al tenis	I play tennis	0	Or	A veces	Sometimes
Interesante	Interesting	Juego al voleibo		l play volleyball	Nunca	Never		From time to time
Guay	Cool	Juego	al rugby	I play rugby	Pero	But		Everyday
Divertido/a	Fun	Juego	al cricket	I play cricket	reiu	bat		Lveryday

## YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM

# Spanish - Los Verbos

# Spanish Y7- Los verbos

Verbos Claves	Key Verbs
Me llamo	My name is
Soy	l am
Es	He/she is
Somos	We are
Son	They are
Tengo	I have
Tiene	He/she has
Tienen	They have
Hago	l do
Juego	l play
Está	It is (location)
νογ	l go
Me gusta	l like
Me encanta	I love
Odio	I hate
Vivo	l live



Los ve	rbos -AR	AR Verbs
Yo	1	0
Tú	You	As
Él/ella	He/she	А
Nosotros	We	Amos
Vosotros	You (pl)	Áis
Ellos/ellas	They	an

Los ve	erbos -ER	ER Verbs
Yo	T	0
Tú	You	Es
Él/ella	He/she	Es
Nosotros	We	Emos
Vosotros	You (pl)	Éis
Ellos/ellas	They	En

Los ve	erbos -IR	IR Verbs
Yo	1	0
Tú	You	Es
Él/ella	He/she	E
Nosotros	We	Imos
Vosotros	You (pl)	Ís
Ellos/ellas	They	En

## YEAR 7 KNOWLEDGE ORGANISER - AUTUMN TERM



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