

# Knowledge Organisers Year 7 – Term 1

# How to complete your Knowledge Organiser Homework

Learning is an active process, just reading the information will not be enough

	Monday 9th September
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	Geography
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Each day, in your Knowledge Organiser book, you must write the date at the top and then draw a line to divide the page in half using a ruler.

Use the top half of the page for one subject and the bottom half of the page for the other

You can use some of the techniques you have been taught;

- Look, cover, write, correct, repeat
- Mind maps
- Word Up
- Flashcards

(YouTube channel - Woodrush Online)

# **Key Points**

- Follow the schedule to see which subjects your need to do each night and spend 20 minutes on each
- You should also read your book each night for 20 minutes
- You must have evidence of your work in your knowledge organiser exercise book (reading the knowledge organisers is not enough!)
- Your learning of the information will be checked in your lessons and once a week by your form tutor. If you have completed the work well you will gain achievement points.
- If you need ideas of what to do each night your can use the ideas pages and tick these off (but you do not have to do this)
- On the back page is a list of optional extra challenges that will help you earn hours for your Children's University Passport

FORM:



# Need some ideas?

If you have watched the Woodrush Online YouTube videos and you are still not sure what to do you can use these ideas on these pages for activities to complete and tick them off. You can use as many or as few of these ideas as you want!

## Science

Art

Draw and plant and animal cell from memory and label them - check and correct your work

Once you can draw the cells from memory add in detail about what the fucntion of each cell part is

Write all the key words from the B1 Cells page in your book and then try and write definitions without looking in your knowledge organiser. Check and correct

Draw the particle diagrams for solids liquids and gases from memory and describe how the particles are arranged in your own words

Explain the different between filtration, crystalisation and distillation in your own words - check and correct

Make flashcards for the key words on the C1 - Particle model page and keep testing yourself on them until you know them off by heart

Make a multiple choice quiz on the keywords on the P1 Forces page

Go back and complete your multiple choice quiz

Try and write the rules for a perfect graph from memory. Check and correct

Try and write the keywords from memory and write definitions for each. Check and correct

Draw an apple using the information from Independent study task 1

Complete independent study task 2 on Kandinsky

## History

Write from memory the key terms and names of the people in Normal times. Use your knowledge organiser to check your and correct your spellings

Write as many facts as you can remember about the 4 key people in Norman times, check in your knowledge organiser and add missing details

Write from memory as many key words about Medieval life and say what they mean. Check and correct

Create from memory a timeline for the Tudor kings and queens, add in facts about in monarch. Check and correct

# Geography

Draw the settlement hierarchy from memory, keep practicing until you can get all the parts in the right places and spelt correctly

Cover, write, check and correct all of the key terms until you can remember them and spell them correctly.

Draw a simple version of the Hydrological cycle, keep practicing drawing it until you can do it from memory

Copy the names of the key processes that shape rivers and coasts, try and explain what they do from memory - check and correct

# Faith and Ethics

Draw a mind map of the main religions, add in detail about their core beliefs

Make some flashcards for the main religions with the name of religion on one side and their key beliefs on the other. Keep practicing until your know them off by heart

Write a paragraph explaining in your own words why some people find it hard to believe in God

# Need some ideas?

If you have watched the Woodrush Online YouTube videos and you are still not sure what to do you can use these ideas on these pages for activities to complete and tick them off. You can use as many or as few of these ideas as you want!

# Spanish

Say the Spanish alphabet out loud, checking your pronunciation in the knowledge organiser. Keep practicing until you are completely correct.

Write 4 difference sentences greeting someone and saying how you are from memory. Check your spellings

Write down the different questions from 'all about me' in Spanish. Close your knowledge organiser and translate them into English. Check and correct

Draw mindmap of different adjective for what kind of person your are, write these both in Spanish and English

Make flashcards for the numbers from 1 to 31, keep testing yourself until you know them off by heart

Try and learn the Spanish tongue twisters - impress your Spanish teacher next time you see them!

Create a mind map of Spanish colours using the write colour pen for each of the Spanish words

## Music

Copy a blank picture of the keyboard notes. Close your knowledge organiser and add in the names of the notes. Check and correct

Name as many music instruments as you can - put them into the 4 families of the orchestra

Look, cover, write, check and repeat with the key words and definitions from the music page.

Draw the different music notes from memory and name them

# DT

Draw 3 different size boxes using 3 point perspective. Describe in words how you have done it.

Write from memory the key ingredients form making bread and why they are important. Check and correct

Name the 5 common fabrics. Find items of clothing you own that are made of these fabrics and list them

Create a mindmap on marking out, key equipment and joints

# Computing

Make flashcards of the keywords and definitions about computing. Keep testing yourself until you know them.

Crate a spelling list from the keywords. Look, cover, write, check and correct until your know them

Copy the example IF statement from the computing page without the speech bubbles. Try and explain what each part means. Check and correct

Make a mindmap of the key terms to do with databases. Add in definitions. Check and correct

## PE

Draw a mind map for Tennis, Football and Athletics, add in the core skills and tactics

Choose one of the 4 sports, write a checklist of what you need to do to succeed

Name from memory as many key words from the PE page. The link each one with the sport it belongs to



# Identity

Features of an Autobiogra	phy
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✓ Autobiographies are written in 1<sup>st</sup> person

~

√

- ✓ Writers will often talk about their family and childhood
  - Will include stories about special or important moments in a person's life
- Although autobiographies will be written in standard English, they may have quite a personal or even a 'chatty' tone
- A range of adjectives and noun phrases will be used when describing interesting details
- Writers will use a range of sentence types to effectively communicate their ideas
- ✓ **Time connectives** are often used when describing events in their life
- Writer's don't simply describe events they will give the reader their thoughts and feelings

Poetic Methods		
Alliteration	Deliberately beginning 2 or more words with the same sound	The <u>f</u> urrow <u>f</u> ollowed <u>f</u> ree
MetaphorDescribes an object or action in a way that isn't true, but helps explain an idea or make a comparisonMy mind is full of scorpions		My mind is full of scorpions.
Onomatopoeia A word which sounds like the song it is		Woosh!
	describing	Bang!
Personification	Where a non-human object is given human attributes or qualities	The wind blew an <u>angry</u> gust through the trees
Rhyme	This is usually at the end of each line	Twinkle twinkle little <u>star</u> How I wonder what you <u>are</u>
Rhythm	This refers to the 'beat' of the poem.	A poem about a chaotic topic might have a more unsteady rhythm when read.
Simile	Where something is described by comparing it to something else using 'like' or 'as.'	Her hair stood out from her head like a crest of serpents.

Key Terms			
Autobiography	A book about a person's life, written by that person.		
Culture	The behaviour shared by a group of people. Many different things make up a society's culture such as: food, language, clothing, music, arts, customs, beliefs, and religion.		
Effect	In a reading response, we talk about the effect of a writer's choices. This might include how it makes the reader feel,, or what meaning is created.		
Identity	Your identity is who you are. This can include your characteristics, your beliefs, and how you spend your time.		
Inference	This is when you use evidence to work out the deeper meaning of what is written. This can be known as 'reading between the lines.'		
	Parts of Speech		
Adjective	A word which describes the quality of a noun. For example: She read an <u>exciting</u> book. The weather was <u>cold</u> and <u>miserable</u> .		
Adverb	Words which give us more information about a verb; they tell us how, why, where, or when a verb is carried out. Often ends in -ly: <b>The athlete sprinted <u>rapidly</u></b>		
Article	Definite and indefinite articles are parts of speech referring to the terms "the," "a," and "an."		
Noun	A noun is the name of a person, place, or thing.		
Preposition	A preposition helps to explain where something is. Examples include: <b>On, over, in, by, under</b>		
Verb	Every sentence must contain a verb. A verb is a word which describes an action, state, or process. Jack always <u>runs</u> to school. She <u>made</u> a mess of her homework. That glass may <u>fall</u> off that wobbly table.		

# English

## **Key Punctuation**

#### Capital letters

Should be used at the start of every sentence Should be used for proper nouns (names, places, titles) Should be used for the words | / |'|| / |'m / |'d / |'ve

#### A comma has many uses but its 2 most common functions are: To separate items in a list:

## Julie loves ice cream, books and kittens.

I still have to buy a gift, pack the suitcases, and arrange for someone to water the plants while we're at the wedding.

#### To separate a main clause from a dependent clause:

If you love relaxation, this resort is the ideal choice.

Gorillas, which are large and originate in Africa, can sometimes be found in zoos.

Aa





# Full Stops

A full stop should be used at the end of every sentence (unless it is a question or an exclamation)

### Tense

When using verbs, you need make sure they are in the correct tense. You should also make sure you stay in the same tense when you are writing. Present tense is for describing things as they are happening I can hear my heart thumping in my chest

Past tense is for describing things that have already happened

My heart was thumping in my chest

My heart thumped loudly in my chest

#### Subject-Verb Agreement

This means that the verb used in your sentence must change depending on whether the subject is singular (one) or plural (more than one) For example, because 'l' is singular, you could say: I am running

I was running

But not: I are running I were running



## Keywords and sentence starters for reading responses

Analytical phrases you can use instead of 'this shows':

This illustrates that

This presents the idea that...

This therefore demonstrates...

This implies...

This reinforces the idea that

This therefore emphasises...

As a result, this highlights ...

This word connotes...

This is effective because...

By including this, the writer is communicating that...

# Film-makers' methods

Mise-en-scéne is the name given to the general staging of the scene, which is everything in the shot and where it is.

Costume is what the characters wear. Setting/set design is the chosen location for the scene and how it looks.

Colour palette refers to the range of colours a director has used in a scene.

**Props** are the items characters have/use.

Framing/Composition is the name for where things are in the frame and how the director makes use of all the space within the shot.

## Effect on the reader: This may/might/could...

make the reader sympathise/empathise with because...

evoke a sense of anger from the reader because...

evoke a sense of sadness from the reader because...

encourage the reader to reflect on...

inform the reader that which could be important because...

shock the reader. They may want to do this to ...

create a sense of suspense which would make the reader want to find out

# **Speaking and Listening Tips**

- ✓ Introduce your topic in a clear and interesting wav
- ✓ If you are using a PowerPoint, avoid putting words on there. Instead, you could add interesting images, numbers, or Speak loudly and clearly
- ✓ Try using cue cards to write notes instead of reading your speech from a piece of paper
- ✓ Rehearse at home so you don't have to rely on reading from your paper
- ✓ Use connectives so the audience can follow what you are saying
- ✓ Use a wide range of vocabulary as well as devices such as metaphors and similes to interest the audience
- Speak about each idea in detail. Give  $\checkmark$ examples to explain your ideas





# **Factors and multiples**

Factors

The numbers that

get a given number.

factors of 12:

(1, 2, 3, 4, 6, 12)

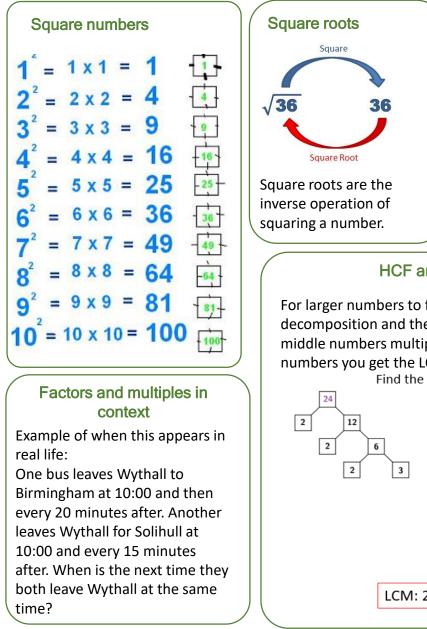
There will always be

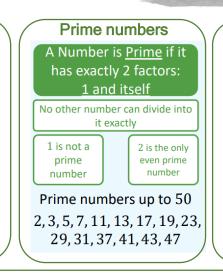
fewer factors, because there

dre d set number of ways to

multiply to get a given number,

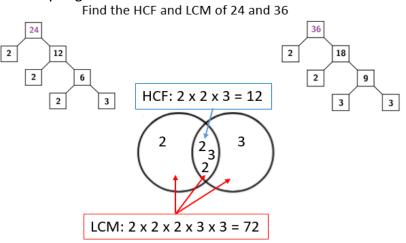
are multiplied to O







For larger numbers to find the HCF and LCM use prime factor decomposition and then put the numbers into a Venn diagram. The middle numbers multiplied give you the HCF, multiply all of the numbers you get the LCM



# Prime factor decomposition

Multiples

The numbers you say

Owhen you skip-count

by a given number

**MUltiples Of 12:** 

12, 24, 36, 48, 60,

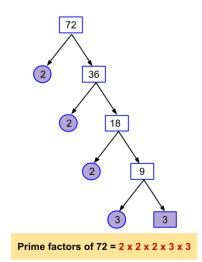
72, 84, 96, 108, etc.

There will always be

more multiples, because

numbers are infinite!

Use only prime numbers to divide until you cannot divide anymore.





# **Algebraic Notation**

Algebra is the language we use to communicate mathematical information. Letters used to represent values are known as variables.

Notation creates shortcuts:

 $a \times b = ab$  x + x + x + x = 4x $y \times y = y^{2}$ 

Numbers, symbols and operators (such as + and ×) grouped together that show the value of something.

e.g.  $6xy - 5\frac{a}{b} + 21x$  is an expression

Each individual part is a term.

Eg. 6xy $-5\frac{a}{b}$ 21x

The same rules of BIDMAS applies to Algebra.

# **Expressions and Formulae**

# **Collecting like terms**

Collecting like terms enables us to simplify expressions making them easier to use. Terms that contain the exact same variable can be classed as 'like' terms and be simplified. Be careful of the signs in front of the variable!

5x + 6y - 2x - 5y = 3x + y

5xy + 3x - 2xy + 4y = 3xy + 3x + 4y

$$2x^2 + 3x + 5x^2 - 5x = 7x^2 - 2x$$

# Formulae and algebra

A formulae explains how to calculate the value of a variable. e.g. 'The price of a taxi fare in Manchester depends on the distance driven. Each fare is charged a flat fee of £2 and then £3 for each mile driven.'

C= 2 + 3M

If you travel 20 miles then you would calculate the cost by doing 2 + 3 x 20

Cost = £62



# **Expressions and Formulae**



Multiply terms outside by all terms inside

$$10(x + y + 4) = 10x + 10y + 40$$

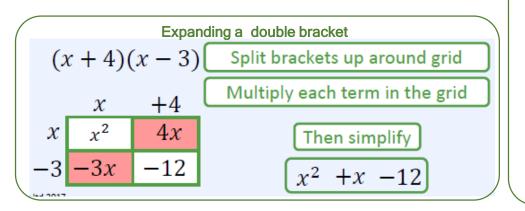
$$3x(6x-2) = 18x^2 - 6x$$

Expanding brackets often the first step in simplifying algebra

$$2(x+3y) - 7(2x-y) = 2x + 6y - 14x + 7y$$

Include sign in multiplication

 $= -\underline{12x + 13y}$ 



Factorising an expression Look at whole expression, identify HCF and divide out 12x - 6y + 3z HCF = 3 3(4x - 2y + z) ax + aby + 4az HCF = a a(x + by + 4z)Look at each term separately, divide

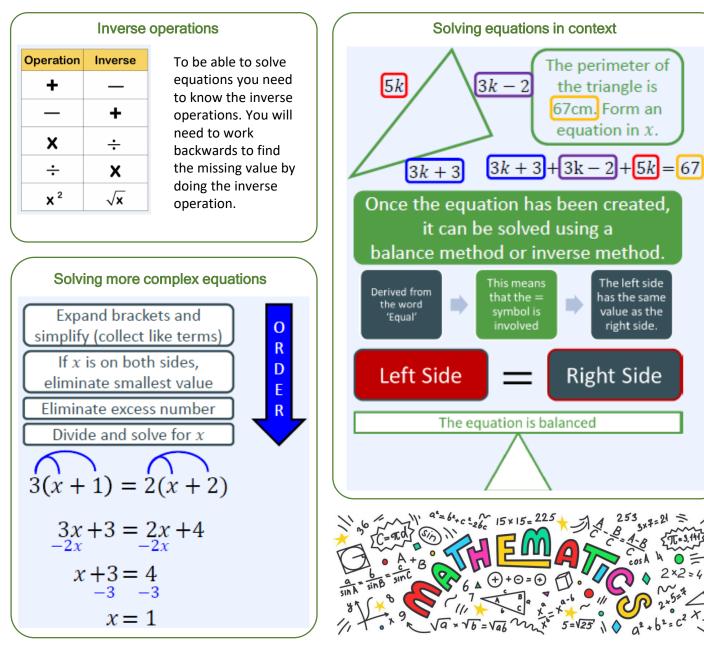
numbers first then the algebraic terms

### Key terms

Variable	• varying quantity represented by a letter or symbol, e.g. $x$
Constant	<ul> <li>a fixed quantity that does not vary, e.g. a number</li> </ul>
Coefficient	• a number which multiplies a variable, e.g. 5x
Exponent	<ul> <li>shows the number of times a variable or number is multiplied by itself, e.g. y<sup>4</sup> = y x y x y x y</li> </ul>
Operator	<ul> <li>a symbol indicating what operation must be done,</li> <li>e.g. + - x ÷</li> </ul>
Term	• one part of an expression which may be a number, a variable or a product of both, e.g. $5x^2 4xy 12$
Expression	• one or a group of terms. May include variables, constants, operators and grouping symbols e.g. $5x^2 + 2x(x + 2) - 8$





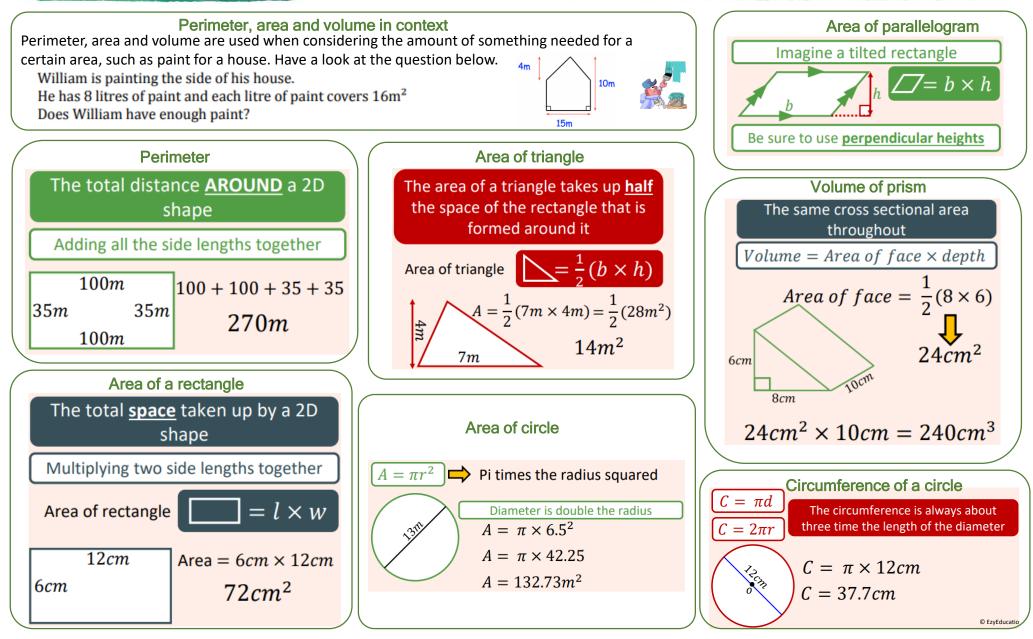


Solving linear equations Solve 2x + 3 = 13This means:  $x \times 2 \times 3 = 13$ To solve, we reverse the process: Use the opposite + 3 > 13 × (inverse) operation - 3 13 < and undo in reverse order. 2x + 3 = 13- 3 2x = 10÷ 2 We have solved the x = 5 equation when we get to a single value of x (here, x = 5). Solve 3x - 8 = 19 3x - 8 = 19+ 8 3x = 27÷ 3 x = 9 Solve 4x + 6 = 14 4x + 6 = 14- 6 4x = 8÷ 4

x = 2

# MATHS

# Perimeter, area and volume



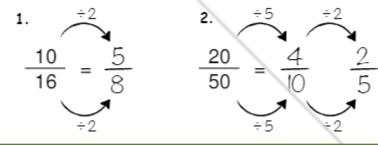


# Fractions

# Remember what you do to the top you must do to the bottom!

## **Simplifying fractions**

You need to identify a common factor of both the numerator and the denominator and divide them both by the same number. Keep going until you cannot find a common factor.



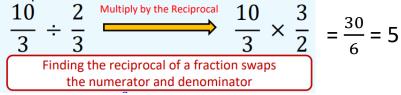
# **Multiplying fractions**

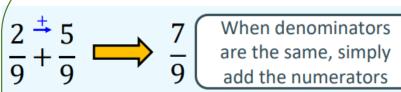
When you multiply fractions just times the numerators and the denominators!

 $\frac{2}{3} \xrightarrow{\times} \frac{5}{7} = \frac{10}{21}$ Multiply across the top and bottom

# **Dividing fractions**

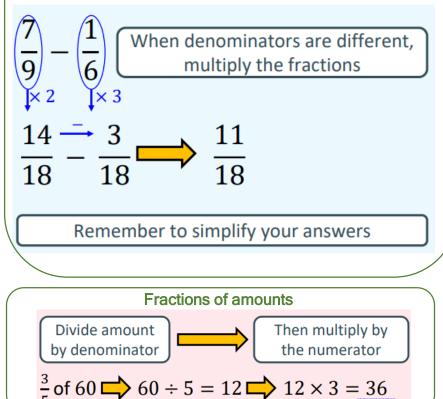
To divide fractions, keep the first one the same, change the divide to a multiply and flip the second fraction





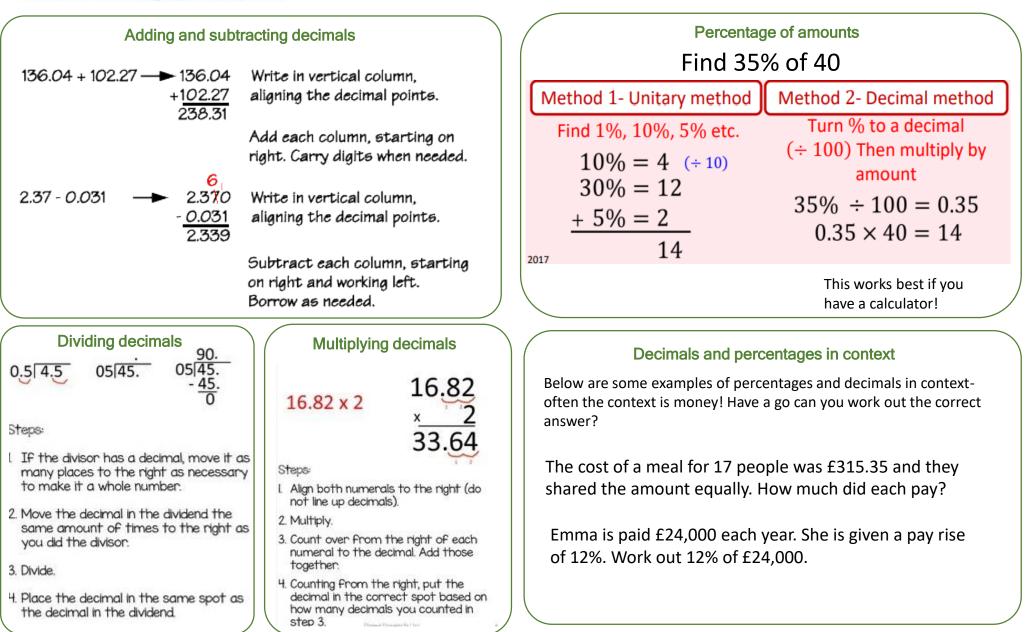
Adding and subtracting fractions

When the denominators are different you need to find a multiple that they both have. Once you have found a common multiple multiply the whole fraction to get the denominators the same!



# MATHS

# Decimals and percentages



# SCIENCE

# **B1** Cells

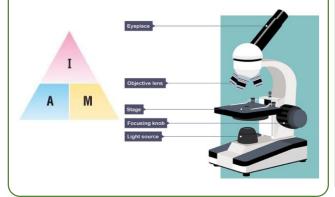
# Microscopy

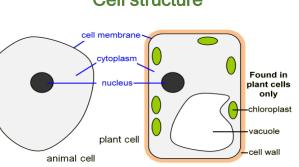
Microscopes are used to magnify things that are too small to observe with the human eves.

Magnification is how much bigger an object appear compared to its real size.

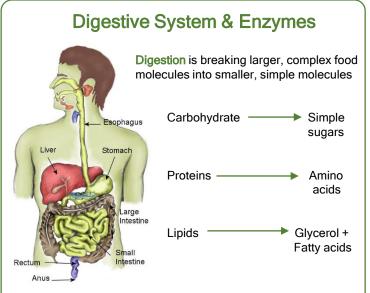
Resolution is the ability to see fine detail clearly

Total magnification = Eye piece lens x objective lens





Organelle	Function
Nucleus	Contains DNA
Cell membrane	Controls what enters/exits
Chloroplast	Where photosynthesis occurs
Mitochondria	Where respiration occurs
Cytoplasm	Cellular reactions occur here



Physical/Mechanical digestion is when large pieces of food are physically broken up into smaller pieces.

Chemical digestion is the break down of food using enzymes & acid whereby a new chemical substance is formed.

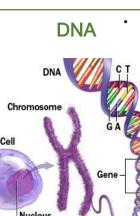
#### **MRS GREN** organism =is a Movement Μ just one cell eg R Respiration bacteria and yeast S Sensitivity Multicellular G Growth organism = is an Reproduction R than one cell eg Е Excretion

Ν

Nutrition

Unicellular living thing that is

organism with more animals and plants



DNA (deoxyribonucleic acid) is found in the nucleus of cells

It is stored in tightly coiled up structures called chromosomes

When chromosomes are unwound, it reveals a structure of DNA called a **double helix** 

The double helix has a sugarphosphate backbone and bases in the centre

# Variation & inheritance

Variation means differences in characteristics.



Inherited variation is differences due to genetics passed on from parents.

Environmental variation is differences due to the environment that the organism has developed in.

Continuous variation is a characteristic that changes gradually over a range of values.

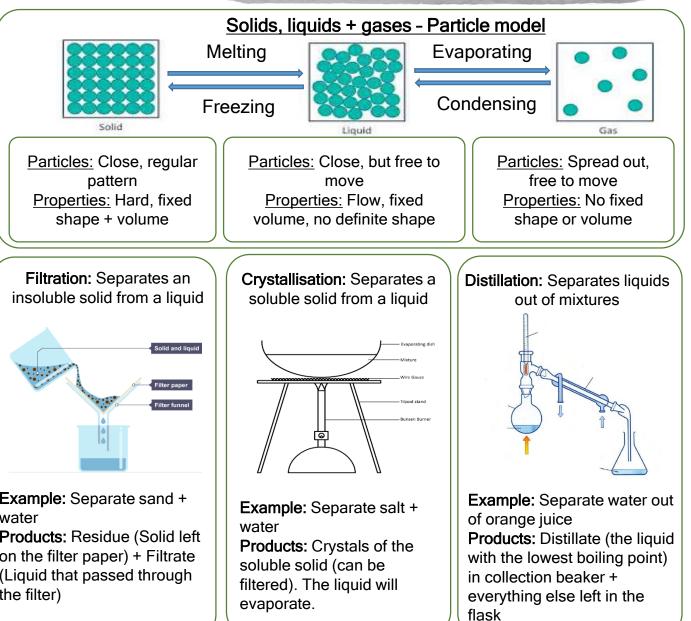
Discontinuous variation is a characteristic with only a limited number of possible values

# **Cell structure**



# **C1: The Particle Model**

Key Term	Definition	
Dissolve	The process of a solid mixing with a liquid to make a solution	
Solute	The solid substance that dissolves in the liquid	P
Solvent	The liquid in a solution	
Solution	The solute and the solvent mix to form a solution	Fi
Insoluble	Describes a substance which can't dissolve	inso
Pure	Made up of just one substance	¥.
Mixture	Made up of more than one substance	Exam
Chroma- tography	A process where a spot of a mixture is separated into spots of it's components to be identified	water Produ on the (Liqui the fil



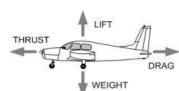
# Science

Isaac Newton discovered the rules of forces in 1681

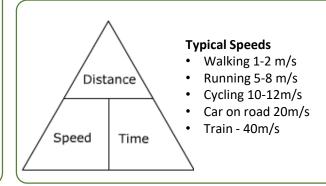


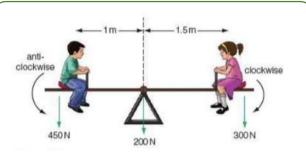
# P1 Forces

Keyword	Definition
Contact force	Force that can only acts when two objects are in contact
Non- contact force	Force that can act when two objects are not in contact
Newton	Unit of force.
Newton meter	Equipment used to measure the force on an object
Friction	Contact force caused by 2 objects rubbing against each other. Causes loss of energy as heat
Drag	Drag is a frictional force that acts when an object moves through a fluid.
Gravity	Gravity is an attractive force caused by objects with mass.
Mass	Amount of matter - measured in kg
Weight	The force of gravity on a mass - measured in N.
Upthrust	Force on an object when placed in a liquid
Density	Density = mass / volume
Tension	Force that acts when an object is stretched
Hooke's Law	Extension is directly proportional to force applied, provided the elastic limit is not exceeded.
Moment	The turning affect of a force
Pivot	The point at which rotation happens
Speed	Speed = distance / time. Unit = m/s
Force diagrams	Show direction and size of forces acting on an object.
Pressure	Pressure = force / area. Bigger area = less pressure, smaller area = more pressure.
Levers	Simple machines that can allow small forces to move heavy loads
Distance Time Graph	Show the distance an object has moved in a time period. The gradient = the speed.

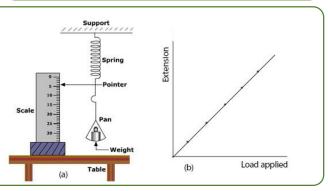


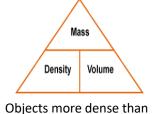
- Force diagrams show all the forces on an object.
- Forces are vectors the arrow shows the direction and the length shows the size of the force.
- Hooke's law force is directly proportional to force applied – providing the elastic limit is not exceeded.
- When stretched beyond the **elastic limit** a material is permanently deformed.





- No change in movement if moments are balanced (anticlockwise moments = clockwise moments
- Moment (Nm) = Force (N) x distance (m)



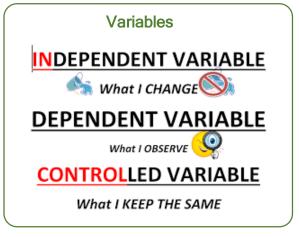


- Objects more dense than liquid sink.
- Objects less dense than water sink.



# **PS1** practical skills

Word	Definition
Hypothesis	A prediction of what will happen in an experiment
Repeatable	If the same person does an experiment using the same method and equipment, they will get the same results
Reproducible	If someone else does the experiment, or a different method or piece of equipment, the results will be similar
Valid	If an experiment if both repeatable and reproducible



#### Analysis

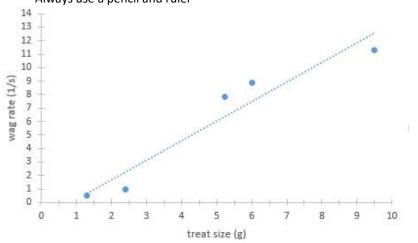
- State the trend shown in your results.
- Quote data.
- Identify any anomalous results

#### Evaluation

- What went wrong in your experiment?
- How can it be improved?

## Drawing graphs

- Must be at least half of the page
- Axis must be labelled, including units (in brackets)
- Accurate plotting
- Line of best fit
- Independent variable always goes on the x axis and the dependent variable goes on the y axis
- Always use a pencil and ruler

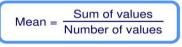


Example risk assessment		
Risk - how it causes harm	Precaution - how to prevent harm	
Corrosive	Wear googles, rinse off skin if there is contact	
	Risk - how it causes harm	

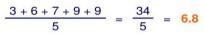
Study Time vs. Grades			
Student	Study Time (hours)	Grade	
Bob	2	84	
Carlos	4	91	
Cindy	5	92	
Florence	3	89	
Kim	4	88	
Lori	4	93	
Marisa	1	78	
Pat	2	89	
Thomas	5	94	
Wendy	2.5	87	

#### **Drawing tables**

- Use a ruler and pencil
- Units should only be in column headings (not in columns)
- Independent variable always goes in the right hand column



For example, the mean of 3, 6, 7, 9 and 9 is



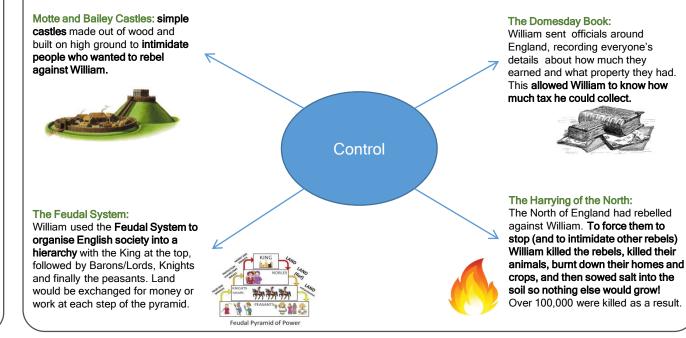


# **The Norman Conquest**

#### Key Terms:

Hierarchy	A system where a few people at the top have a lot of power, while the people at the bottom have the least.
Feudal	The hierarchy that William put into place.
Conquest	A successful invasion of a country i.e. William became known as William the Conqueror.
Тах	Money collected off the public to be used by the government.
Heir	The next person in line to the throne.
Monarch	Another word for the king or queen.
Reign	The amount of time a King or Queen is in power for.
Normandy	The area of France where William was from.

# How did William keep control of England after the Battle of Hastings?



#### Edward the Confessor:



Edward was King of England from 1042 until 1066- he was known for his religious lifestyle and beliefs (this is why he was known as the confessor). People believed that his touch could cure them of disease. When the Vikings invaded England in 1013, Edward and his family ran away to Normandy where he stayed for 25 years! He was only allowed back into the country in 1041 and became King the year after- he faced a number of rebellions throughout his reign though, including from Harold Godwinson.

## Harold Godwinson:

Harold Godwinson was Edward the Confessor's brother-in -law. He became King of England after his death. He was an experienced warrior and could also be brutal (he had chopped the head off a Welsh leader in the past). His family was one of the most powerful in England. 15 years before, Harold's family had tried to take over England from Edward but they had lost. Godwinson defeated Harald Hardrada at Stamford Bridge before being killed at the Battle of Hastings.

# **Key People:**

William, Duke of Normandy:

Ruled an area of France called Normandy. He could be brutal- he had ordered 30 townsmen to be skinned alive! William's parents were not married so he was not a legitimate (legal) heir. He wanted to be King of England after Edward and claimed that Edward had promised him the crown of England when he died. He invaded England when Harold Godwinson became king and took the crown at the Battle of Hastings.

#### Harald Hardrada:



England had been ruled by Vikings up until 1042 when Edward the Confessor took the throne. The Vikings said they were the real Kings of England. Harald Hardraada was next in line to the Viking throne. At the age of 51, he was the most famous soldier of the age. His name means 'hard ruler' and he was nicknamed 'The Ruthless,' The people in the north of England supported him. When Godwinson became King after Edward died, Harald Hardrada invaded England and was killed at the Battle of Stamford Bridge

# History

# **Medieval Life**

# Life in Medieval England:

In the Middle Ages nearly everyone lived in a village. There were no shops in these villages and villeins (the people who lived in the village) could only go to the nearest town if the lord of the manor let them.

Each village was surrounded by 3 open fields. They had no fences or hedges in them. Everyone got a share of the land in the village. Each year one of the fields was left fallow. This meant that no crops were grown in it to help the soli recover. Animals would be allowed to graze there, the droppings acting as fertilizer.

# Magna Carta

#### Causes of the barons' revolt

King John spent ten years raising taxes for a war in Normandy with France. The barons did not support this. John lost the war and ran up huge debts.

John increased taxes and did not consult the barons on important issues. The barons were angry with John. In April/May the barons took up arms against the King, led by Robert FitzWalter. They marched on London, Lincoln and Exeter, which all fell to the barons and the rebellion grew in size. The barons issued a royal charter of demands which John was forced to accept on the field of Runnymeade on 15th June 1215. This became known as the MAGNA CARTA.

#### Some of the key terms of this were:

- It promised the protection of church rights
- The King could not sell justice.
- Protection from illegal imprisonments
- All people were to be tried by jury.
- · New taxation only with the consent of the barons
- The King could not sell justice
- A council of 25 barons would be set up to ensure that the King was respecting the rights and the laws of the charter.

The charter defined that a formal relationship should exist between the monarch and barons. The king was now subject to the law. These were radical ideas!



# Key Terms:

itey femilis.					
Bubonic Plague	The more common Plague that was carried in the bloodstream of rats. Fleas bit the rats and become infected. They then hopped onto humans, bit them and passed on the disease.				
Pneumonic Plague	This was more deadly. It was caught by breathing in the germs when an infected person coughed or sneezed. They would cough up blood and their lungs rotted inside them.				
Freeman	These people paid rent to the lord to farm their land, but they weren't 'owned' by the Lord, and could come and go as they pleased.				
Villein	They were Medieval peasants who were 'tied' to the Lord's land. They had to farm their own land and the land of the Lord, and they had to get the Lord's permission to do things like get married or leave the village				
King John (1199-1216)	Brother of the popular King Richard I, who died shortly after his return from the 3rd Crusade. John was suspicious and had rebelled against both his father and brother. John inherited the cost of his brother's costly wars, but was a cruel and incompetent king.				

# Black Death

#### What were the causes of the Black Death?

We know today that he Black Death was caused by fleas that lived on black rats. The fleas sucked the rat's blood which contained the plague germs. When the rat died the flea jumped onto humans and passed on the deadly disease. However in the Middle Ages there was no scientific understanding of illness and disease.

They used several different ways of explaining the cause of the Black Death:

- Caused by a miasma an 'evil air'.
- It had been sent as a punishment by God for the sins of the people.
- A 'Cosmic Serpent' had come too close to Earth. It's evil breath had caused the illness.
- Mars and Saturn had moved too close to each other. The Earth had been polluted by an 'evil dust'.
- The Jews of England had poisoned the wells.

#### What cures were used to stop the Black Death?

Ask for God's forgiveness/ bleeding/strong smelling herbs/ lancing buboes How did Medieval people try to prevent catching the Black Death?

Pray/ Pilgrimage/self - flagellation/ escape!/ carry a posy of flowers/ do joyful things/ quarantine laws Consequences of the Black Death

Short Term	Long Term
Half the people in Britain died from the Black death. More died in later outbreaks of the disease. Food prices went up by 4 times as animals and crops died with no one to look after them. An estimated 35 million people, two thirds of the world's population, died from the disease. As there were less people alive after the Black Death, survivors could charge more for their services. Wages increased.	The Black Death lasted from 1348-1350. Later outbreaks did occur, but they were less severe. After the Black Death people demanded freedom but lords refused. This led to the Peasants Revolt in 1381. It took 300 years for the population to recover to the same level as before the Black Death.

# The Tudors

# Who were the Tudors?



Henry VII (1485 - 1509) The first Tudor monarch, crowned winning The Battle of Bosworth.

History

- Henry VIII (1509 1547) Famous for having eight wives. Began Church of England so he could have a divorce.
- Edward VI (1547- 1553) Henry VIII's only son. He came to the throne at 9 and died at 16.
- Lady Jane Grey (1553) Queen for only nine days. Mary had her imprisoned and beheaded.
- Mary I (1553 1558) Henry VIII's eldest daughter. She was Catholic and was also known as 'Bloody Mary' because she had so many Protestants killed.
- Elizabeth I (1558 1603) Henry VIII's last heir. She never married nor had children so the Tudor era ended with her.

Why did	Henry VIII	break from	Rome?
willy ala		bicakinom	i tomo i



Succession - Henry desperately needed an heir to ensure a peaceful and stable succession. By the late 1520s he no longer believed that his wife, Catherine of Aragon, could provide him with a son.



Love - Henry had fallen in love with one of his wife's ladies in waiting, Anne Boleyn. Anne did not want an affair, but marriage.



Power - Henry's ministers had been unable to get the Pope to agree grant the divorce. This was humiliating. Henry believed that Kings should have power over the church in their own country.



Money - the Church was extremely wealthy because of tithes, donations and the amount of land they owned. Henry was quite poor from his wars with France and needed money to fight future wars.



Religious beliefs -Some people criticised the Catholic Church for being corrupt. These were known as Protestants. Many of the supporters of Anne Boleyn were Protestant.

	Key Terms:				
Heir	The next person in line to the throne.				
Annul	To cancel a marriage				
Protestant	A member or follower of any of the Western Christian Churches that are separate from the Roman Catholic Church. They broke away from the Church during the Reformation.				
Catholic	A form of Christianity, followers of the Roman Catholic Church.				
Reformation	Reformation, also called Protestant Reformation, the move of part of the church away from the authority of the Pope				
Dissolution of the Monasteries	The closure of English Monasteries by Henry VIII in 1536-1540. Monasteries were run by the catholic church and were homes for Monks and Nuns. They also provided hospital care and charity to the local people.				

# Mary I - Does she deserve the nickname, 'Bloody Mary'?

When she became queen people celebrated in the streets and bells were rung across the country.

Mary was a committed Catholic. She tried to restore England to Catholicism as she believed that Protestantism was heresy

While she was queen, Mary restored the navy and increased England's wealth, she also established new hospitals and improved the education of the clergy. Mary executed an estimated 284 Protestants by burning them at the stake for refusing to convert to Catholicism.

Mary married the Catholic King Phillip II of Spain. This was unpopular and led to a rebellion against her in 1554 led by Sir Thomas Wyatt. It was stopped by Mary's forces in London.

In 1557 Mary's husband Phillip persuaded Mary to go to war against France, in support of Spain. However, this was expensive, taxes were raised, and disastrous. Calais, the last English possession in France, was lost.





# My Place: Settlements and Regeneration

# Why cities decline

**1.** Factories close down because of cheaper products made abroad. DE-INDUSTRIALISATION

2. Inner Cities have higher UNEMPLOYMENT and POVERTY 3. This leads to SHOPS and SERVICES CLOSING due to a lack or sales. They become run down and VANDALISED

- 4. Then, CRIME rates increase and HOUSING quality DECLINES
- 5. Finally, COUNCILS draw up plans for REGENERATION

# Key terms

**DE-INDUSTRIALISATION**-The decline of manufacturing in the UK in the 1970's -1990's.

**REGENERATION**-The attempt to reverse decline in cities by improving the physical environment and economy.

**INNER CITY**- The area near the city centre that is often run down and full of old factories.

**DEPRIVATION**- Where people have a standard of living below what is acceptable.

URBAN - Towns and cities RURAL - Countryside

**SUBURBANISTION**- A population shift from the cities into suburbs, usually families in search of more space

**URBANISATION**- The growth in the percentage of people moving to urban areas from rural are.

SUSTAINABILITY- Improving social wellbeing

- Improving <u>economic</u> prosperity and wealth and.....
- Improving the <u>environment</u>

for future generations.....

# Six figure grid reference rules.

Rule 1. Put a dot in the bottom corner of the square you are looking for Rule 2. Always go along the bottom first, read first two numbers (17).
Rule 3. Divide the big square into 9x9 in your head, how many little squares going across ? (5) so 175.
Rule 4. Now go up the side, read the first two numbers (51)
Rule 5. Count the little squares going up the side 2
So its 175 going across and 512 going up.
Find an example on google images to practice at home!

# Birmingham's regeneration

Mailbox- cost £150 million Opened Dec 2000 Designer shops and restaurants, improved 2013.





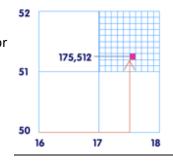
**Grand central-** £600 million Opened- Sept 2015 John Lewis, 2000 jobs Can hold 200,000 passengers per day

**Bull Ring-** £400 million 200 shops, 8000 jobs in total Busiest shopping centre in UK, 35 million ppl per year

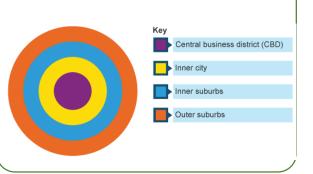




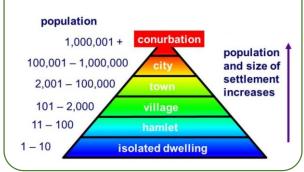
**Brindley Place-** Offices, pubs Restaurants, health clubs employ 8500 people, **NIA** opened in 1991.



# Settlement land zones

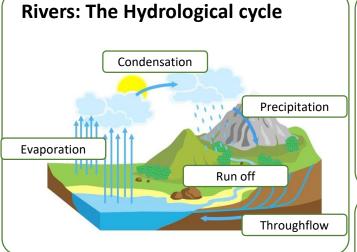


# **Settlement Hierarchy**





# **My Place: Rivers and Coasts**



# **Key Processes**

#### **Erosion**-

**Abrasion**- River beds and cliffs are scraped away by pebbles and sand like sandpaper.

**Attrition-** Pebbles and stones bash together and become smaller and rounder.

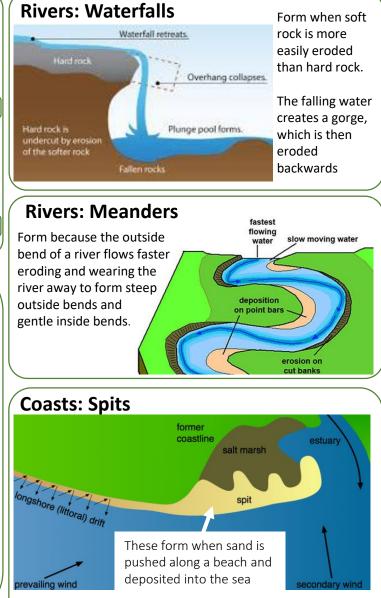
**Hydrualic action-** The power of the water breaking off bits of rock.

Traction- Pebbles roll along the river bed or beach

Saltation- Sand bounces along the beach

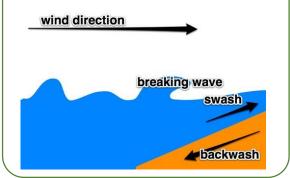
**Solution-** Smaller pieces of rock eventually dissolve within the water.

**Deposition-** Rocks, sand and clay are "dumped" after water retreats or slows down.

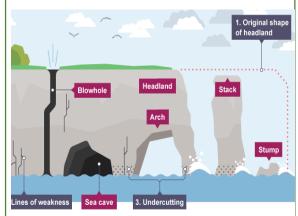


# Coasts: What is a wave

These are created when wind pushes water towards the coastline. The longer and stronger the winds are the bigger the waves are.



# Coasts: Cave-Arch-Stump



Waves make coastlines weaker because of erosion. Firstly cracks appear, then Caves, Arches, stacks and finally stumps! Remember, it is the key processes that creates these Jandforms

# Is there a God?

## **Does God exist?**

Faith & Ethics

Key Terms	Definition
Cosmological / first cause argument	Who else could have made the world? It must be God
Teleological / design argument	It is perfectly designed for us so God must have designed it this way
Ontological argument	If people talk about God, then he must exist. Otherwise, no one would talk about him
Atheist	People who do not believe that God exists at all
Agnostic	People who are not sure if God exists
Theist	People who believe that God exists

# What makes it hard to believe in God?

#### Science

Some people say science has disproved religion and ditched God. They believe that the universe started with the Big Bang, and that it was not God that created the world in seven days, as some faiths believe.

#### Suffering

Some people say that the amount of suffering in the world means that God does not exist because if he did, he would not allow people to go through the hardship and pain that they do. Some people argue that God does not have any control over people's actions, therefore, he cannot be blamed for people's suffering. They believe people have the free will to make their own choices. **Evil** 

Some people say that the power of evil proves that God does not exist. They believe if God existed he would not allow evil in the world in cases such as slavery, genocide and wars.



# What do different religions / beliefs say about God?

Christians believe there is one God and within that one God there are three aspects of God's nature. They are the Father, the Son and the Holy Spirit. Jews believe there is one God and that there are no words to accurately describe him as he is too powerful and beyond human understanding. Muslims believe that God is responsible for all of creation and without God there would be nothing. They use the Arabic word for God which is Allah. Sikhs believe in one God who is ever-lasting and absolute truth. They believe God gave the ten gurus special ability to guide people and convey wisdom. Hindus believe there is one supreme God called Brahman and that there are hundreds of different deities (holy figures) that represent the different sides of Brahman.

**Buddhists** do not acknowledge a supreme god or deity. They instead focus on achieving enlightenment; a state of inner peace and wisdom. **Humanists** do not believe in a God or in the supernatural. They believe that a person's sense of right and wrong have evolved from human experience.

## **Miracles**

A miracle is when something happens, usually something good, that cannot be explained and is considered to be the work of God. Two types of miracles are: 1. Events that cannot be explained by science. For example, Jesus was said to have turned water into wine.

2. Happy coincidences, where natural laws aren't broken but the event occurs at the right time to cause a good outcome. For example, a train stopping just in time to avoid hitting a toddler who has wandered onto the train tracks.





Me Presento (Let me introduce myself)					
Greetings	¿Cómo te llamas?	¿Qué tal?	¿Dónde vives?		
	(What are you	(How are you?)	(Where do you		
	called?)		live?)		
Hola (Hello)	Me llamo (I am	Fenomenal	<b>Vivo en</b> (I live		
Buenos días (Good morning)	called)	(Great)	in)		
Buenos tardes (Good		<b>Bien</b> (Good)			
afternoon)		Regular (Ok)			
Buenas noches (Good night)		Fatal (Awful)			
Adiós (Bye)					
Hasta luego (See you later)					

1	2	S dea	4 ?
<u>araña</u>	<u>ele</u> fant <u>e</u>		<u>o</u> lvidar
5	6	7	8
<u>u</u> niverso	<u>ce</u> rdo	<u>ci</u> clista	<u>ca</u> sa
9	10	11	12
<u>co</u> che	<u>cu</u> caracha	<u>gi</u> mnasia	<u>h</u> ambur <u>qu</u> esa
13	14	15	16 <b>P</b>
<b>E</b> spa <u>ñ</u> a	<u>zumo</u>	guitarra	Ilave

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# Unit 1 – All About Me

1	Buenos días.	Good morning!
2	¿Cómo te llamas? Me llamo Yazmine.	What are you called? I'm called Yazmine.
3	¿Cómo se escribe? Se escribe Y- A-Z-M-I-N-E.	How do you spell that? It's spelt Y-A-Z-M-I-N-E.
4	¿Dónde vives? Vivo en Madrid.	Where do you live? I live in Madrid.
5	¿Qué tal? Fenomenal, gracias.	How you are? Great, thanks.
6	¿Qué tipo de persona eres? Soy bastante generoso/a.	What sort of person are you? I am quite generous.
7	¿Cuántos años tienes? Tengo once años.	How old are you? I'm eleven years old.
8	¿Tienes hermanos? Tengo una hermana que se llama Silvia.	Do you have any brothers or sisters? I have one sister who is called Silvia.
9	¿Cuándo es tu cumpleaños? Mi cumpleaños es el primero de julio.	When is your birthday? My birthday is on the 1st July.
1 0	¿Tienes mascotas? Tengo un gato.	Do you have any pets? I have a cat.
1 1	¿Cómo es? Es blanco y muy tonto.	What is it like? It is white and very silly.
1 2	¡Hasta luego!	See you later!





		-	Cont Magnetic Pro	a the second states	the second s	Care Larry	a second a second second
		¿Cuán	do es tu cum	pleaños? (	When is your birthday	/?)	
			rthday	ls the	Number	Of	Month
		Mi cur	mpleaños	es el	primero (first)	de	<b>enero</b> (January)
		(My bi	irthday)	(is the)	dos (2)	(of)	<b>febrero</b> (February)
					tres (3)		<b>marzo</b> (March)
	tienes?		1		cuatro (4)		<b>abril</b> (April)
					<b>cinco</b> (5)		<b>mayo</b> (May)
e	you?)				seis (6)		<b>junio</b> (June)
	Year(s) o				siete (7)		<b>julio</b> (July)
	año (yea				ocho (8)		agosto (August)
	años (yea	ars			<b>nueve</b> (9)		septiembre (September)
	old)				<b>diez</b> (10)		<b>octubre</b> (October)
					once (11)		<b>noviembre</b> (November)
					<b>doce</b> (12)		<b>diciembre</b> (December)
					trece (13)		
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					treinta (30)		
					treinta y uno (31)		
		1			1		

¿Qué tipo de persona eres? (What sort of person are you?)

Verb	Intensifier	Adjective (Masculine)
Soy	un poco	<b>divertido</b> (funny)
(I am)	(a bit)	<b>estupendo</b> (brilliant)
		generoso (generous)
No soy	bastante	listo (clever)
(I am not)	(quite)	serio (serious)
-		simpático (kind)
Es	muy	sincero (sincere)
(He/She is)	(very)	tímido (shy)
<b>N</b>		tonto (silly)
No es		tranquilo (quiet/calm)
(He/She isn't)		
isii tj		Adjective (Feminine)
		divertida (funny)
		estupend <u>a</u> (brilliant)
		generosa (generous)
		lista (clever)
		seria (serious)
	_	<b>simpátic<u>a</u> (</b> kind)
		<b>sincer<u>a</u> (</b> sincere)
	<b>k</b>	<b>tímid<u>a</u> (</b> shy)
		tont <u>a</u> (silly)
		<b>tranquil<u>a</u> (</b> quiet/calm)
Connectives		
<b>y</b> (and)		
pero (but)		
<b>también</b> (also	)	
	''	

	¿Cuántos años tienes?					
'	-					
(How old are you?)						
I have	Years	Year(s) old				
Tengo	un (1)	<b>año</b> (year old)				
(I have)	dos (2)	<b>años</b> (years				
	<b>tres</b> (3)	old)				
	cuatro (4)					
	<b>cinco</b> (5)					
	<b>seis</b> (6)					
	siete (7)					
	<b>ocho</b> (8)					
	<b>nueve</b> (9)					
	<b>diez</b> (10)					
	once (11)					
	<b>doce</b> (12)					
	<b>trece</b> (13)					
	catorce (14)					
	<b>quince</b> (15)					
Tengo diez años.						





¿Tienes hermanos? (Do you have any brothers or sisters?)			
I have	Brothers/Sisters	Name	Age
Tengo (I have)	un hermano (a brother) una hermana (a sister) un hermanastro (a half-brother/step brother) una hermanastra (a half-sister/step sister)	<b>que se llama</b> (who is called)	<b>Tiene años</b> (He/She is years old)
	dos hermano <u>s</u> (2 brothers) tres hermana <u>s</u> (3 sisters)	<b>que se llama<u>n</u> (who are called)</b>	<b>Tiene<u>n</u> años</b> (They are years old)
I don't have an	y brothers or sisters		•
Soy hijo único (	<b>anos</b> (I don't have any brothers I'm an only child - m) I'm an only child - f)	or sisters)	

Pancha plancha con

cuatro planchas.

¿Con cuántas

planchas Pancha

plancha?



¿Tienes mascota	otas? (Do you have any pets?)				
Verb	Pets (Singular)	Pets (Plural)	Name		
Tengo (I have)	<b>un perro</b> (a dog)	dos perros (2 dogs)	que se llama		
	<b>un gato</b> (a cat)	dos gatos (2 cats)	(who is		
Quiero (I want)	<b>un conejo</b> (a rabbit)	dos conejos (2 rabbits)	called)		
	<b>un pájaro</b> (a bird)	dos pájaros (2 birds)			
	<b>un caballo</b> (a horse)	dos caballos (2 horses)			
	<b>un ratón</b> (a mouse)	dos ratones (2 mice)			
	<b>un pez</b> (a fish)	dos peces (2 fish)			
	una serpiente (a snake)	dos serpientes (2 snakes)	que se		
	una tortuga (a tortoise)	dos tortugas (2 tortoises)	<b>llama<u>n</u> (</b> who		
	<b>una cobaya</b> (a guinea	dos cobayas (2 guinea pigs)	are called)		
	pig)				
I don't have any	pets				
No tengo masco	tas (I don't have any pets)				

Tres tristes tigres comen trigo en un trigal.

Tanto trigo tragan que los tres tigres

tragones con el trigo

se atragantan.









Describe	escribe las mascotas (Describe pets)			Describe	la	
Verb	Animals (Masculine Singular)	Colours	Verb	Personality Adjective	Verb	1
Tengo	<b>un perro</b> (a dog)	blanco (white)	Es	divertido (funny)	Tengo	
(I have)	<b>un gato</b> (a cat)	negro (black)	(He/It	estupendo (brilliant)	(I have)	
	<b>un conejo</b> (a rabbit)	amarillo (yellow)	is)	<b>generoso</b> (generous)		ľ
Quiero	<b>un pez</b> (a fish)	<b>rojo</b> (red)		listo (clever)	Quiero	ľ
(I want)	<b>un ratón</b> (a mouse)	<b>verde</b> (green)		<b>serio</b> (serious)	(I want)	
	<b>un pájaro</b> (a bird)	marrón (brown)		simpático (kind)		ľ
	<b>un caballo</b> (a horse)	gris (grey)		sincero (sincere)		
		azul (blue)		<b>tímido</b> (shy)		
		rosa (pink)		tonto (silly)		
		naranja (orange)		tranquilo (calm)		
						┝
	Animals			Personality		
	(Feminine Singular)	Colours	Verb	Adjective		
	<b>una serpiente</b> (a snake)	blanc <u>a</u> (white)	Es	divertida (funny)		
		<u> </u>		·····//		
	una tortuga (a tortoise)	negr <u>a</u> (black)	(She/It	estupend <u>a</u> (brilliant)		
	<b>una tortuga</b> (a tortoise) <b>una cobaya</b> (a guinea					
		negr <u>a</u> (black)	(She/It	estupend <u>a</u> (brilliant)		1
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green) marrón (brown)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious) simpátic <u>a</u> (kind)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green) marrón (brown) gris (grey)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious) simpátic <u>a</u> (kind) sincer <u>a</u> (sincere)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green) marrón (brown) gris (grey) azul (blue)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious) simpátic <u>a</u> (kind) sincer <u>a</u> (sincere) tímid <u>a</u> (shy)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green) marrón (brown) gris (grey) azul (blue) rosa (pink)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious) simpátic <u>a</u> (kind) sincer <u>a</u> (sincere) tímid <u>a</u> (shy) tont <u>a</u> (silly)		
	<b>una cobaya</b> (a guinea	negr <u>a</u> (black) amarill <u>a</u> (yellow) roj <u>a</u> (red) verde (green) marrón (brown) gris (grey) azul (blue) rosa (pink)	(She/It	estupend <u>a</u> (brilliant) generos <u>a</u> (generous) list <u>a</u> (clever) seri <u>a</u> (serious) simpátic <u>a</u> (kind) sincer <u>a</u> (sincere) tímid <u>a</u> (shy) tont <u>a</u> (silly)		

cribe	<b>las mascotas</b> (Describe pe	ts)		_
b	Animals (Masculine Plural)	Colours	Verb	Personality Adjective
igo	dos perro <u>s</u> (2 dogs)	<b>blanco<u>s</u> (</b> white)	Son	<b>divertido<u>s</u> (funny)</b>
ave)	dos gato <u>s</u> (2 cats)	<b>negro<u>s</u> (</b> black)	(They	estupendo <u>s</u>
	<b>dos conejo<u>s</u> (</b> 2 rabbits)	amarillo <u>s</u>	are)	(brilliant)
iero	<b>dos pájaro<u>s</u> (</b> 2 birds)	(yellow)		generoso <u>s</u>
ant)	<b>dos caballo<u>s</u> (</b> 2 horses)	<b>rojo<u>s</u> (</b> red)		(generous)
	<b>dos ratón<u>es</u> (</b> 2 mice)	<b>verde<u>s</u> (</b> green)		listo <u>s</u> (clever)
	<b>dos pe<u>ces</u> (</b> 2 fish)	marrón <u>es</u>		<b>serio<u>s</u> (</b> serious)
		(brown)		<b>simpático<u>s</u> (</b> kind)
		<b>gris<u>es</u> (</b> grey)		<b>sincero<u>s</u> (</b> sincere)
		<b>azul<u>es</u> (</b> blue)		<b>tímido<u>s</u> (</b> shy)
		<b>rosa<u>s</u> (</b> pink)		<b>tonto<u>s</u> (</b> silly)
		<b>naranja<u>s</u> (orange)</b>		<b>tranquilo<u>s</u> (</b> calm)
	Animals (Masculine Plural)	Colours		Personality Adjective
	dos serpientes (2	blanc <u>as</u> (white)		divertid <u>as</u> (funny)
	snakes)	negr <u>as</u> (black)		estupend <u>as</u>
	dos tortugas (2	amarill <u>as</u> (yellow)		(brilliant)
	tortoises)	roj <u>as</u> (red)		generos <u>as</u>
	dos cobayas (2 guinea	<b>verde<u>s</u> (</b> green)		(generous)
	pigs)	marrón <u>es</u>		list <u>as</u> (clever)
		(brown)		<b>seri<u>as</u> (</b> serious)
		<b>gris<u>es</u> (</b> grey)		<b>simpátic<u>as</u> (</b> kind)
		<b>azul<u>es</u> (</b> blue)		<b>sincer<u>as</u> (</b> sincere)
	•	<b>rosa<u>s</u> (</b> pink)		<b>tímid<u>as</u> (</b> shy)
		<b>naranja<u>s</u> (orange)</b>		tont <u>as</u> (silly)
				<b>tranquil<u>as</u> (</b> calm)



# Line and Tone

# **Using Pencils**

Pencils come in different arades.

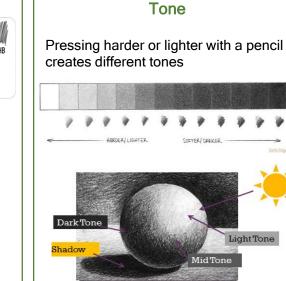
The softer the pencil the darker the tone

2H **4**H

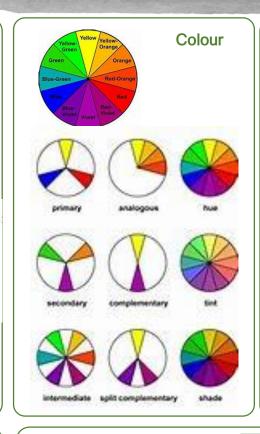
H=Hard, B= Black (soft)

In Art the most useful pencils are B and 2B





Including shadows will help make objects appear 3D



## **Keywords**

#### Tone

Light or dark values used to add definition and texture.

#### Contouring

Bending and shaping the lines to give the impression of a 3D form.

#### Blending

Merging two or more colours to create a gradual change or soften a line

#### Complementary Colours

The colours that are OPPOSITE each other on the colour wheel.

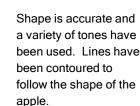
#### Harmonious/Analogous

The colours that are NEXT to each other on the colour wheel

# **Developing skills**



Some basic shape, and some attempt to add more than one tone.





to another.

Accurate shape, a full tonal scale is seen and tones have been blended smoothly form one

# **INDEPENDENT** STUDY TASK 1

Light Tone

Complete a PENCIL drawing of a whole Apple,

Then eat half of the apple and draw it again.

Finally eat the apple down to the core and draw its appearance.

Shade to show TONE.

# **ARTIST IN FOCUS:**

Wassily Kandinsky (1866-1944) was a Russian painter and art theorist. Kandinsky is generally credited as the pioneer of ABSTRACT ART.



# **INDEPENDENT STUDY** TASK 2

Use the colour wheel/theory a Kandinsky 4 concentric piece.

Ensure you use a 10x10cm square paper and geometric shapes

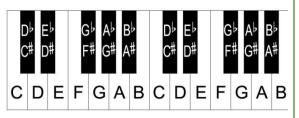
Each section should be based on the colour theory.

Oe square should be warm colours, one cool, one harmonious and one complimentary,

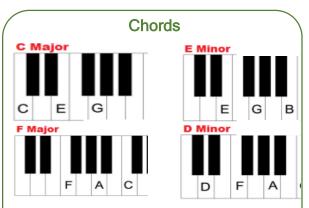
# **Music**

# The Elements of Music & Introduction to the Keyboard

## The Notes on a Keyboard

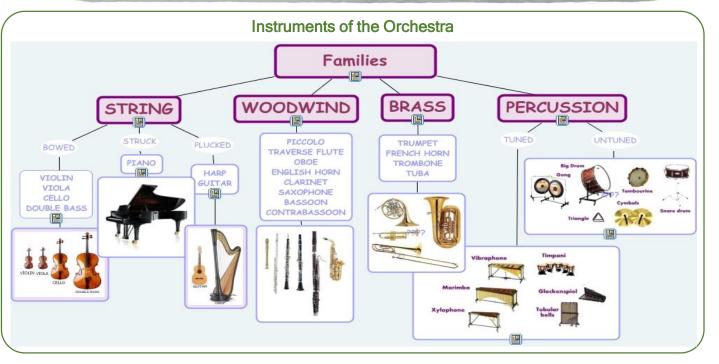


- The notes on a keyboard run from A to G and start again, just getting higher in pitch.
- The black notes are called sharps (#) and flats (b)

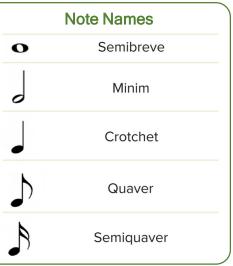


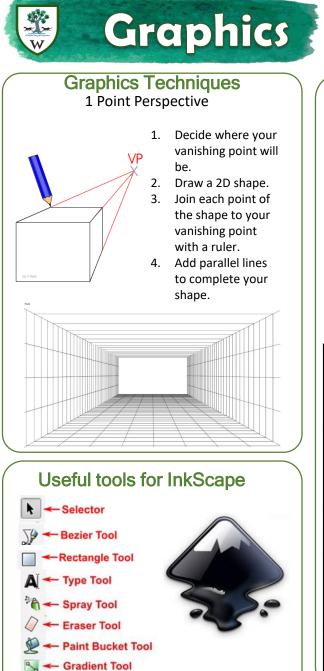
- Chords in music are where you play more than one note at the same time.
- On the keyboard we often play chords in groups of 3.
- Major chords give a light happy tone and minor chords give a much darker

sadder tone.



	Keywords	(
Pitch	How high or low the notes are	
Duration	The length of the notes used	
Dynamics	How loud or quiet a piece is	
Tempo	The speed of the music	
Texture	Musical layers (thick - lots of parts, thin - a few parts)	
Timbre	Type of instruments used	
Structure	Order the parts come in (Verse, Chorus etc)	
Pulse	The beat of the music	





Rey Equipment				
boot boot boot boot boot boot boot boot				
e	<b>Perspective</b> is what gives a three-dimensional feeling to a flat image such as a <b>drawing</b> or a painting			
	An <b>illustration</b> is a decoration, interpretation or visual explanation of a text, concept or process.			
	Tone refers to how light or dark a colour or shade is.			
on	Lines which are lightly added to a drawing to help guide you to create the correct angles.			
y	The style and appearance of writing.			
	e Dn			

3

DARK

**Key Equipment** 

5

6

MIDDLE

8

4

# Computer Aided Design - "CAD"



10

LIGHT

Any design created using a computer is classed as CAD. The CAD industry is huge and includes **Engineering**, **Architecture**, **Movies**, **Advertising** and **Video Games**. Graphic Designers will have a keen eye for detail when creating realistic renderings and textures for movies and games etc.

Year 7

# Jon Burgerman

Jon Burgerman was asked what the worst piece of criticism he's received about his work... "That it looks like a child has drawn it. I

imaginations and their drawings are really loose, free and uninhibited. I wish I could draw like that."



- Jon Burgerman is a British illustrator. He creates vibrant illustrations and murals featuring monsters and patterns using continuous line.
- He has been commissioned all over the world to create murals on walls in public places.
- He has also created illustrations for advertising campaigns with Pepsi, Coke, Nike, Sony, New Era, Sky, Puma, Nintendo, MTV, Levis and AOL.

# Food & Nutrition

# Function of ingredients & balanced diets

# The function of ingredients in bread making

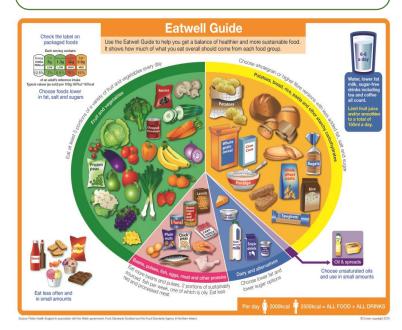
**Flour** - gives bulk and structure to the bread. Gives taste and absorbs the moisture.

**Salt -** gives structure by helping gluten form. Adds taste.

**Sugar -** provides food for the yeast, adds flavour, and helps the bread brown.

Yeast - is the raising agent in the bread

Water - helps the gluten form, adds moisture for the yeast to grow



kg = kilograms - 1kg = 1000g
ml = millilitre
L= litre - 1 litre = 1000ml
Tsp = teaspoon = 1 tsp = 5g
Tbsp = tablespoon = 1 tbsp = 15g

**Measurements** 

G = grams

# Key WordsNutrientThe properties found in food<br/>and drink that give the<br/>nourishment that are vital for<br/>growth and life. The main<br/>nutrients are carbohydrates,<br/>protein, fats, vitamins and<br/>mineralsContaminationThe presence in food of an<br/>item that can cause harm.<br/>Contamination can be<br/>description of the presence in food of an<br/>item that can cause harm.<br/>Contamination can be

	physical, chemical or biological.
Enzymic browning	A chemical process where oxygen and enzymes in the food react to cause the surface to go brown. This process cannot be reversed.
Gluten	formed from the two proteins in wheat when water is added. It is developed when it is needed.
Fermentation	The chemical breakdown of sugar to acid, gas or alcohol by bacteria, yeast or other micro-organisms

Jamie Oliver states that 'Cooking from scratch is a fantastic way to save money and keep ourselves and our families healthy.' He goes on to say that 'Teenagers should all know how to cook a variety of healthy, balanced and cost effective dishes by the time they are 14.'



# Oscar the Owl Doorstop

# **Textile Techniques**

## Applique

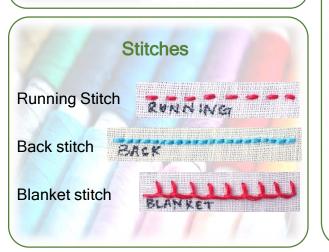
Pieces of fabric sewn on to a larger piece to form a picture or pattern.



A line where two pieces of fabric are sewn together on a product.

## Paper Pattern

A paper pattern acts like a template. You pin it onto your fabric in order to cut fabric the correct size. Paper patterns include seam allowance









called an eye, which is a small hole, where you place the thread through. This allows you to sew.

Fabric Scissors are sharper than

paper scissors in order to cut

fabrics. You must not use them

for paper as it makes them blunt.

A sewing needle has what is

Pins are use to attached paper patterns to fabric or keep fabric together before sewing. You remove these once you have finished sewing.

# **Textiles Keywords**

**Key Equipment** 

Thread comes on a reel and it is what Thread you thread through a needle in order to sew This is 1.5cm extra fabric you add onto Seam your fabric pieces in order for your Allowance product to turn out the correct size once sewn. Initial design ideas are you first sketches Design of an idea which you develop into a final Ideas design, that you can follow when making. Fabric is the term used for all materials Fabric such as cotton, polyester, silk, felt, fleece etc.

# **Common Fabrics**

Cotton - This is a natural fabric that is used to make a wide range of items. For example shirts, dresses, socks, underwear and T-shirts.

Denim - This is a fabric made of cotton however it is woven in a special way and often dyed in different shades of blue. Denim is most commonly used in Jeans.

Wool - This is a natural fabric that is used to make mainly knitted items. For example jumpers, scarves, hats and gloves.

Polyester - This is a man-made fabric that is often blended with cotton to reduce the cost of items.

Felt - This can be man-made or a natural fabric using wool. It is easy to cut and sew and used a lot for craft





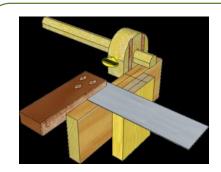


# Product Design

# What is Product Design and why is it important?

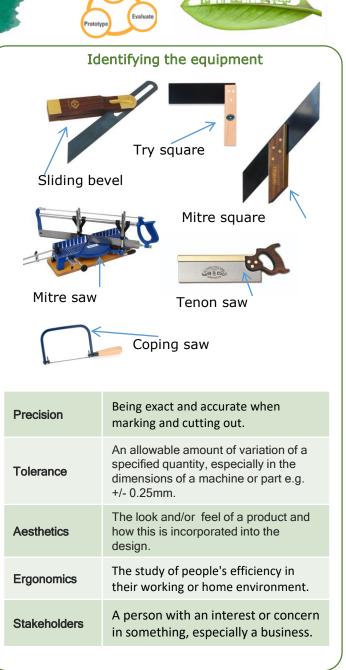
The role of **design** is to create a marketable **product** from an innovation. Design is often the deciding factor in the success of a product.

Many customers make purchasing decisions based primarily on product design, because good product design ensures **quality**, **appearance**, **performance**, **ease of use**, and **reliability**.



Tools we use to mark out;

- Marking gauge
- Try square
- Pencil
- Rule or ruler



# **Famous Designers**

This is **James Dyson**. He is an influential designer because ....



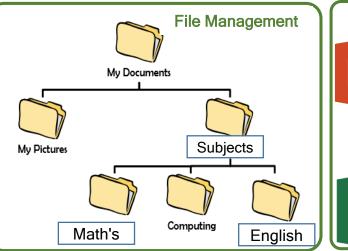
- He constantly **innovates**, his designs are creative and unique
- His products are designed around the needs of the **stakeholders**
- The "cyclone technology" design, including the 15 years and **5,127 prototypes** it took before the first model, DC01, would ultimately prove successful in 1993. Fifteen years!
  - **Design** and **manufacturing** occurs on a **global** scale. Dyson employs over 7,000 people.

# **Digital Literacy and Web Safety**

Key Wo	ords
--------	------

Computing

-
To move from one slide to another with an effect in PowerPoint
To move a picture or a piece of text to enter /leave the slide that
the user is on.
The size of the text can be made larger or smaller
The correct way to organise a files within a computer system
The global system of interconnected computer networks
A message is broken into a number of parts which are sent
independently and then reassembled at the destination.
A unique string of numbers separated by full stops that identifies
each computer.
Recorded information about an individual that may include his or
her name, address, email address and phone number.
The correct or acceptable way of using the Internet.
The legal right given to the originator for a fixed number of years,
to print, publish, perform, film, or a recording.





	Key Words
Ethics	Moral principles that govern a person's behaviour or conducting
SPAM	Irrelevant messages sent over the Internet, typically to a large number of users, for the purposes of advertising, phishing, spreading malware
Phishing	The illegal process of sending emails pretending to be from a company in order to gain personal information, such as passwords and credit card numbers.
Virus Virus Virus Malware SPYWARE	Malicious software that, when executed, replicates itself by modifying other computer programs and inserting its own code.
Firewall Internet	A security system that monitors and controls incoming and outgoing network traffic.
Encryption	The process of encoding a message or information so that only authorized parties can access it and those who are not authorized cannot.
Search Engine	A program that searches for and identifies items in a database that correspond to keywords or characters specified by the user.
Password james0898 @!#\$%{}	A combination of letters, numbers and symbols used to gain access to a computer system with a username.

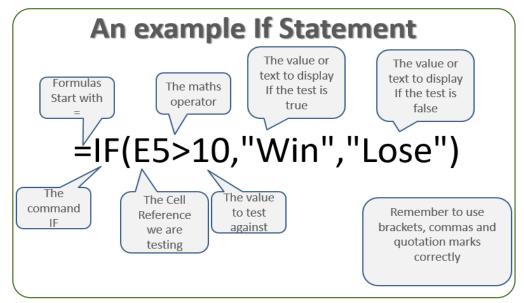


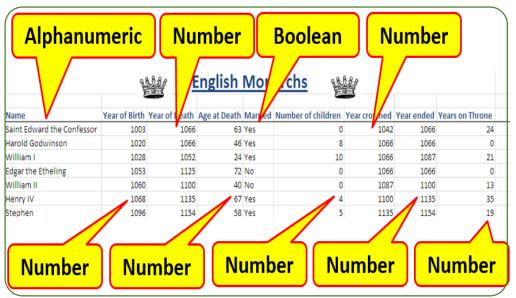
# **Analyzing data**

Kev	Words
IXC y	TUUUU

Data analysis	The process of evaluating data using analytical and logical reasoning	
	to examine each component of the data provided	
Sort	Sorting is the process of arranging objects in a certain sequence or	
	order according to specific rules.	
Filter	allows you to view specific rows in an Excel spread sheet, while	
	hiding the other rows	
Spread sheet	A sheet of paper that shows accounting or other data in rows and columns	
Database	is a list of data	
Field	A column of data	
Record	is the complete set of data about one person.	
Work sheet	is a single page in a file created with an electronic spreadsheet program such as Excel	
Criteria	The correct or acceptable way of using the Internet.	

Cell Reference	is an alpha-numeric value used to identify a specific <b>cell</b> in a spreadsheet
If statement	If statements are decision making commands that can be used in spread sheets and computer programming
Conditional formatting	Conditional formatting is the process of formatting a set of data in a spread sheet automatically based on a set of defined rules.
Absolute cell	An absolute cell reference is a cell address that contains a dollar sign (\$) in the row or column coordinate, or both.
Formula	The exclusive and assignable legal right, given to the originator for a fixed number of years, to print, publish, perform, film, or record literary, artistic, or musical material.







# **Core Skills and Tactics**

# Tennis

## Core Skills.

1. Service - power, placement and variation.

2. Groundstrokes - forehand, backhand and drop shot.

3. Volleys - forehand and backhand.

4. Smash - to show power and/or placement.

5. Lobs - forehand and backhand.

# Tactics (Tactics, Strategies & Compositional Ideas):

A: AWAY keep the shuttle away from your opponent.

B: Play on their weakness usually their BACKHAND.

C: Keep the ball in the COURT but play to the COURT boundaries.

### Rules:

Mini Tennis matches: Use simple Tie-Break scoring, which is first to 10 points

# Football

Passing/receiving - either foot.

Tactics (Tactics, Strategies &

Attacking and Defending principles:

Make the pitch as big as possible

Support: Angle and Distance.

Deny the opposition time and

Make the pitch as small as

Support: Angle and Distance

Use of the offside .

Compositional Ideas):

Dribbling/moving with the ball - either

Tackling, jockeying, closing down and

**Core Skills** 

foot.

Shooting

Heading.

marking.

Attacking:

•

•

٠

Pace

Depth

Width.

Defending:

space.

possible.

# Athletics

## Core skills

## Track:

Starts/finishes.
Arm action - effectiveness and consistency.
Leg action to create appropriate pace - consistency and/or change of pace.

### Tactics and strategies:

Use pace judgement to run at a sustained pace for specified periods of time

## Analysis of performance:

XXXAA

Compare performances to previous ones, personal bests and Athletics Awards (ESAA Secondary Awards Scheme).

# Dance

## Core Skills

# Action:

Creating a motif 1. Travel, locomotion, stepping and pathways. 2. Balance (static and/or dynamic). 3. Rotation, turning and weight transference. 4. Jumps and elevations.

5. Gestures

## Dynamics:

- Performing an action and/or motif
- fast or slow
- smooth or sharp
- heavy or light

# Space & relationships:

- Direction
- Levels
- Formation
- Canon
- Unison

## Performance

- Perform a full routine in a competition/performance.
- This can be in a solo performance, a duet performance or a group performance
- and should last approximately two minutes.
- Perform within the recognised dance style.

# **Yr7 Term 1 Challenges**

These are **optional** additional homework tasks you can complete to earn credits for your Children's University Passport



## Geography

Research the **Birmingham Clean** Air Zone.

A Clean Air Zon for Birmingham

Create a one page report on what it is, why is has been introduced and the impact that they hope it will have on the city of Birmingham. Show it to your Geography teacher

https://www.brumbreathes.co.uk

1hr of CU Credits

## History

Compare the Black Death with Coronavirus. Research the following categories and produce an A4 table that compares these two worldwide epidemics

Black Death	Coronavirus
	Black Death

Snow it to your history teacher your table of comparison.

1hr of CU Credits

# Spanish

Write a letter to an imaginary new pen pal, Introduce yourself, how old you are and when your birthday is. What your personality is like and describe your family and pets. Remember to also ask them questions about themselves too!

Show your letter to your Spanish teacher.

1hr of CU Credits



# **Computer Science**

Do a survey of young people your age to find out what the 5 most popular social media apps they use are.

Once you have your list research how young people can stay safe while using these apps. Create a factsheet with tops tips on how to say safe using these social media apps.

Show it to your computer science teacher your factsheet.

1hr of CU Credits



different types of paper. Design an experiment to 0 🖪 find out how and if the type of paper affects the speed they fall.

#### https://www.science-sparks.com/easypaper-spinners/

Science

Conduct your own paper spinner

experiment at home.

information from the

spinners made of

Using the template and

website make yourself

Write up your results including identifying the dependant, independent and control variables and show it to your science teacher.

1hr of CU Credits

# Technology

Create your own Robot hand.

You can find the instructions via the link below (there are many other video examples on YouTube)

https://www.mombrite.com/diy-model-robot-



Show your finished robot hand to your technology teacher or show them a video/photo.

1hr of CU Credits



# Music

Watch the 'Where's Simon' video from the London Symphony Orchestra to learn out the different sections. When you have finished take the guiz. You need to get 100% to get your CU credit!

https://lso.co.uk/whats-on/alwaysplaying/digitalactivities/wheres-simon.html

If you play an instrument you can also play along with the orchestra at the on the same page

Take a photo or screen shot of your score and show it to your music teacher



Art

Explore the Art of Kandinsky at the Guggenheim museum.

https://www.guggenheim.org/artw ork/artist/vasily-kandinsky

After looking at his pieces of art work create one of your own in his style. Show it to your art teacher.

1hr of CU Credits



1hr of CU Credits



