

"You just have to find that thing that's special about you that distinguishes you from all the others, and through true talent, hard work, and passion, anything can happen."

Rapper, Record Producer and Entrepreneur

YEAR 7 HOMEWORK KNOWLEDGE ORGANISER Spring Term 2

Name:

Tutor Set: _



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Timetable

The timetable below shows you which subjects you will be studying each day, for 30 minutes each, it does not show you which section of the subject KO to learn. This information will be given to you by your subject teacher and you should write this into your **planner**. The planner is also where you will have your KO work signed off each week and where you can find ideas of how to learn the knowledge.

Week1: 24th February

	Subject1	Subject 2
Monday	English	Phil & Ethics
Tuesday	Science	Geography
Wednesday	Maths	Computer Sci
Thursday	Science	History
Friday	Spanish	DT

Week 2: 2nd March

	Subject1	Subject 2
Monday	English	Drama
Tuesday	Science	Geography
Wednesday	Maths	Music
Thursday	Head of School	History
Friday	Spanish	Art or PE

Week 3: 9th March

	Subject1	Subject 2
Monday	English	Phil & Ethics
Tuesday	Science	Geography
Wednesday	Maths	Computer Sci
Thursday	Science	History
Friday	Spanish	DT

Week 4: 16th March

	Subject1	Subject 2
Monday	English	Drama
Tuesday	Science	Geography
Wednesday	Maths	Music
Thursday	Head of School	History
Friday	Spanish	Art or PE

Week 5: 23rd Macrh

	Subject1	Subject 2
Monday	English	Phil & Ethics
Tuesday	Science	Geography
Wednesday	Maths	Computer Sci
Thursday	Science	History
Friday	Spanish	DT

Week 6: 30th March

	Subject1	Subject 2
Monday	English	Drama
Tuesday	Science	Geography
Wednesday	Maths	Music
Thursday	Head of School	History
Friday	Spanish	Art or PE

HEAD OF SCHOOL'S PAGE

General Knowledge



4

A: The UK– UK landmarks			
Landmark	Location	Picture	
Angel of the North	Northumbria		
Hadrian's wall	Cumbria		
Stonehenge	Wiltshire	sulinam	
White cliffs of Dover	Dover, Kent		
Tower Bridge	London		
Blackpool Tower	Blackpool, Lancashire		
Edinburgh Castle	Edinburgh, Scotland		

B: Our World– major oceans

. . .



C: Academic Vocabulary: command words to help you learn		
Word	Definition	
accumulate	Gather together or get an increasing number of	
catastrophe	An event causing great and usually sudden damage or suffering; a disaster	
chronological	A record of events in the order in which they occurred	
drastic	Likely to have a strong or extreme effect	
elaborate	Involving many carefully arranged parts or details; detailed in design and planning	
frequent	Occurring or done many times	
lofty	Of great height	
manipulate	Handle, control or influence in a clever or skilful way	
persuade	Make someone do something through reasoning or argument.	
strategy	A plan of action designed to achieve a long-term or overall aim	

MATHS

Hegarty Maths Advice



Our weekly homework routines...

You will always be set at least one homework a week by your teacher.

- 2 Your teacher will choose the lesson they want you to learn and will pick it so that you are revising an important maths topic for revision. As such, you have already probably covered it in class but might have forgotten so your homework is to revise as, to be a great learner, you need to revise all the time (not just before tests!).
- 3 You need to spend **between 30 minutes and 1 hour** on your homework as this shows effort and commitment and will ensure that you do quality homework.
- 4 You will always be expected to
 - i) watch the video + take notes;
 - ii) write down your quiz workings neatly;
 - iii) mark your own work, make corrections and write down your score at the end.
- 5 Homework will be checked by your teacher in class once a week during your starter. You will be expected to bring your homework book to class and leave it open on the desk for your teacher to inspect.



10 things <u>a student</u> should do when completing HegartyMaths homework

	Student checklist for good HegartyMaths homework	🗸 or 🗙
1	I always write the date, title, clip number and H/W for all my tasks.	
2	I always watch the video before attempting the questions.	
3	I always take full notes of all the examples modelled in the video.	
4	I copy every question that I attempt in my book.	
5	I show all my workings for every question in the quiz that I do.	
6	I try to model my work the way I was shown in the video by Mr Hegarty.	
7	I use a pencil and ruler for all diagrams.	
8	I mark my work correct/incorrect as I go.	
9	I write down corrections when HegartyMaths tells me the correct answer.	
10	I write down my score at the end of quiz .	

5 things you should do when you want to do extra work

	Action	🗸 or 🗙
1	I go back to my donut and pick lessons that are red (<70%) to redo them to make them amber (>70%) or green (100%).	
2	I go back to my donut and pick lessons that are amber (>70%) to redo them to make them green (100%).	
3	When working on lessons that are red or amber and I cannot make them 100% , I rewatch the video and look at the building blocks which may help me.	
4	I complete a Fix-Up-5 where HegartyMaths gives me 5 practice questions on parts of maths that I might be weak on.	
5	If my teacher has given me a revision list of clips on HegartyMaths, then I pick a topic on that list and complete a homework the normal way by myself.	

You will <u>always</u> produce a set of well-written notes of all the modelled examples in the video as we want you to be an expert note-taker and to revise before you try the quiz. If you know the material, you still have to take the notes as sometimes you have to revise topics you already know and it's good for your long-term maths memory. 5

ENGLISH

Stories of Survival (Paper 2)



A: WRITING SKILLS

YEAR 7 HOMEWORK

KNOWLEDGE ORGANISER Spring Term 2

SPAG – Applying spelling, punctuation and grammar effectively. Capital letters, full stops, commas & apostrophes.

Challenge: colons, semi-colons, parenthesis, exclamation marks, hyphens.

Sentence structures – applying a variety for effect – simple, compound and complex. Using time and sequencing connectives.

Paragraphing.

Persuasion – Using a range of techniques effectively and suitably (AFOREST).

B: Sample sentence openers

- Many people perceive this as a fractious issue.
- Picture the scene:
- Now, let's be clear, the real issue here is....
- Yes, I can see why some people may think
- The solution is simple:

C: Synonyms

Good: Outstanding, exceptional, remarkable Bad: Abhorrent, abysmal, appalling Boring: Tedious, lacklustre, monotonous Angry: Irritated, exasperated, vexed Pointless: Futile, inane, absurd

D: Vocabulary	Definition	I
Convey	To communicate a message, information, idea.	1
Colloquial	Language used in ordinary and familiar conversations. Not formal.	4
Precise	Exact and accurate	
Concise	Giving a lot of information clearly and in a few words.	-
Criticism	Disapproval	
Courteous	Polite and respectful	
Facilities	Places, amenities or things that are provided for a particular	4
	purpose	1
Provision	Providing or supplying something.	1
Reiterate	To say something a number of times.	9
Elaborate	To develop or present something in further detail.	
Proposal	A plan or suggestion	
Insufficient	Not enough	-
Inadequate	Not good enough	
Negligible	Small and unimportant.	
Recipient	Someone who receives something.	

E: Terminology	Definition
Purpose	What a text trying to do. Is it informative, advisory or persuasive?
Audience	Who a text is aimed at
Format	The type of text (eg: letter, speech, report etc)
Tone	The way a piece of text sounds e.g. sarcastic etc. The mood or atmosphere in the writing.
Hyperbole	Use of exaggerated terms for emphasis.
Anecdote	A short story using examples to support ideas.
Directives	Using you, we or us.
Repetition	When words or phrases are used more than once in texts.
Statistics	Facts and figures
Authoritative	Commanding and self- confident. Likely to be respected and obeyed.
Superlative	Declaring something the best i.e. the ugliest, the most precious.
Passive voice	When the subject of the sentence has an action done to it but something or someone else. E.g. the dog was being washed by the girl. 6

ENGLISH Oliver Twist



A: Key Words

morality – a code of right and wrong. vulnerable – in a situation in which you could be easily harmed brutal – very violent or cruel. corrupt – a word used to describe a person who uses their power in a dishonest or illegal way in order to make life better for themselves. villain – a 'baddie' who harms other people or breaks the law to get what they want. malicious – meant to hurt or upset someone. victim – someone who has been harmed workhouse – a place where people who

couldn't support themselves were sent to live and work

C: Characters

Oliver: a 'pale, thin' orphan who is treated badly by almost everyone he meets.

Mr. Bumble: runs the workhouse and gives Oliver his name. Fagin: an old man who runs the gang of pickpockets.

Jack Dawkins (The Artful Dodger): a young boy who

introduces Oliver to Fagin's gang

who has 'all the airs and manners of a man'.

Bill Sikes: a 'rough man' who has been a criminal for many years.

Nancy: Bill's girlfriend who risks her life to help Oliver escape from the gang.

Mr. Brownlow: a wealthy older gentleman who takes Oliver in and looks after him.

B: Context

- 1 Charles Dickens was born 7th February 1812 in Portsmouth.
- 2 His novels are set in Victorian times (1830-1900).
- 3 Dickens had to work in harsh conditions as a child when his father was sent to prison.
- 4 Dickens lived next to a work house until he was 19.

4 Victorian London was a busy city growing bigger all the time due to the Industrial Revolution. Big cities were a place where

crime developed and in the early 1800s the first police force was created.

6 Poor Victorian children lived in poverty. In London, many lived in unsanitary slums.

D: Plot summary

1. Oliver is born in the workhouse. When he is a bit older he is nominated to ask for more food because the boys are starving.

2 He is kicked out of the workhouse and sold to the Sowerberry family to be an undertaker's apprentice. He's bullied by Noah, they fight and he is locked up.

- 3 Oliver runs away to London, meets Dodger and is introduced to Fagin's gang.
- 4 Oliver is taken out with the gang and is horrified to see Dodger steal a gentleman's handkerchief. Oliver is wrongly arrested for the theft.
- 5 The gentleman, Mr. Brownlow, takes pity on Oliver and takes him in. The gang plot to get him back in case he reveals information about them.
- 6 Oliver is abducted by the gang whilst running an errand for Mr. Brownlow.

7 Oliver is used by Sikes in a burglary. They fail and Sikes runs away. Oliver is left behind but the people who live there feel sorry for him and look after him. They are called Fred and Rose Maylie.

8 When Bill and Fagin realise what has happened, they plot to catch Oliver again. Nancy overhears and visits Mr. Brownlow to warn him.

9 Fagin tells Bill about Nancy's betrayal and Bill murders her. Fagin is discovered and sent to prison and Bill dies trying to run away.

10 Oliver discovers who his parents were and joins Mr. Brownlow and the Maylies to live happily ever after

SCIENCE - BIOLOGY

YEAR 7 HOMEWORK KNOWLEDGE ORGANISER Spring Term 2

Adaptation and Competition (Part 1)



Activities that an organism does to help it survive are called behavioural adaptations. These include:

- searching for food
- during winter, hibernation
- the herding of animals in large groups
- vocalisations, such as bird calls

Behavioural adaptations can be learnt or inherited

Inherited behaviour is instinctive and genetic. Learnt behaviour must first be taught, or learned, from experience.

Some adaptations are physical, such as the shape of a birds beak or the size of plant leaves. These are called structural adaptations.

- Other structural adaptations include:
- fur thickness
- body shape
- teeth size and shape

 internal organisation, such as muscle structure. functional adaptations. For example, making slime,

controlling body temperature and secreting poison.

Certain tropical frogs have poisonous skin that can make predators very ill or even die

Functional adaptations aid the survival of an individual. They are controlled by genes, so can be passed down from generation to generation.

Adaptations relating to a feature, or a group of features, that

allows an organism to perform a specific function are called

The snowshoe hare lives in northern parts of North America. How is it adapted to avoid predators such as lynxes?

greyish-brown fur turns white in winter for camouflage





vision with a wide field of view to see predators approaching

large furry feet act as snow shoes and 3 protect the soles from cold

monocular



SCIENCE - BIOLOGY

Adaptation and Competition (Part 2)



D: SURFACE AREA TO VOLUME RATIO (SA:VOL.)



Surface Area to Volume Ratio



A large SA:Vol ratio is not always an advantage: Small, warm-blooded mammals lose heat very guickly due to their large SA:Vol ratio. They need to eat almost constantly! (Think about how hungry you get on a cold day)

Desert plants would lose water quickly with flat leaves - so they minimise their SA:Vol ratio so that they can conserve water in hot dry environments

E: PLANTS AND ADAPTATION

Plants need: light, carbon dioxide, water, oxygen, nutrients

Animals

Adaptation in plants

Water taken in through roots

Stoma in leaves allow gases in and out for photosynthesis



Or.. Broad leaves - large surface area to collect dew Epiphytes - in rainforests live high above ground and collect

water and nutrients from the air

An extremophile is an organism that thrives in extreme conditions. Extremophile literally means 'extreme loving'

moist air, reduces surface

F: POPULATIONS AND COMMUNITIES Population vs. Community

Species

- A group of organisms that are physically similar and can mate with each other
- All members of one species in a particular area
- Example: a group of deer in a forest
- All different populations that live together in an area and are close enough to interact with each other
- Example: birds, bears, snakes, all living in the forest
- Flowers are dependant on bees for pollination
- Bees are dependant on flowers for food.
- We say they are interdependent.

Competition in animals and plants

Plants

- Food more likely to be successful Light (photosynthesis) smaller if eat a wide range. Competition plants may flower earlier in the year between own species too, better before the bigger plants to get more light Territory - compete for best
 - Water (photosynthesis) different types of roots - spread along surface or deep underground
- Mate males fight or display Success depends on adaptations ...
- Avoiding competition can also lead to succes.

adapted will survive

space/area

sycamore, dandelion, Fruits, sticky

Nutrients

- Space (roots and light) Spreading seeds -
- Species a group of organisms capable of
 - interbreeding and producing fertile offspring.

What bees do for us



A stable community is one in which the size of the populations of all species remain relatively constant over time









A:

SCIENCE - CHEMISTRY

Periodicity (Part 1)

What is an element?

- A element is a pure substance made of one type of atom
- Elements are divided into metals and nonmetals
- Examples of non-metal elements include carbon, oxygen, hydrogen, and nitrogen
- Examples of metal elements include aluminum, iron, copper, and gold

What is a chemical symbol?

Carbon

12.0

13 (AI)

Aluminum

27.0

- The chemical symbol tells us what atom it is 6 It's a short form (C = Carbon)C · sometimes it's the Latin short form (Au = Gold)
- Always a CAPITAL LETTER, sometimes followed by one or more lower case letters · Ex: Oxygen O, Nitrogen N, Sodium Na
- *Cobalt Co *Carbon Monoxide CO
- (Co is an element, CO is a compound)

The periodic table

There are approximately 100 naturally occurring elements. All the known elements are shown in the periodic table.





B: Properties of Non Metals

Solids at room	High Density (feel heavy
temperature (except	for their size)
Mercury which is liquid)	
Malleable (the bend	
without breaking)	Good conductor of heat
Are magnetic (only Iron,	They make a ringing sound
Nickel and Cobalt)	when hit (sonorous)
At room temperature half	Low density (feel light for
are solids, half are gases,	their size)
shatter when hammered)	Weak
	Make a dull sound when
Not magnetic	hit
	temperature (except Mercury which is liquid) Malleable (the bend without breaking) Are magnetic (only Iron, Nickel and Cobalt) At room temperature half are solids, half are gases, one is a liquid (Bromine) Brittle (they break or shatter when hammered)

Transition metals. The elements in the centre of the periodic table, between groups 2 and 3, are called the transition metals. Most of the commonly used metals are there, including iron, copper, silver and gold.

In pure metals, atoms of the same size are packed regularly in layers.

Metals are malleable and ductile because the layers of atoms can slide over each other easily when a force is applied.



Metals have high density because there is little empty space between the atoms.



Atoms are packed close together in a metal.

Why do metals have high melting and boiling points? Gold, for example, has a melting point of 1064°C and a boiling point of 2807 °C.



- Strong forces of attraction - Between positive ions and negative
- electrons Sea of delocalised electrons
- As metallic bonds are so strong a large
- amount of force is needed to break them

The delocalised electrons can move freely anywhere within the metal lattice allowing them to conduct electricity.



Drift of delocalised electrons from a - terminal to a + terminal

10

SCIENCE - CHEMISTRY

Periodicity (Part 2)



C: PROPERTIES OF NON-METALS

Properties of Nonmetals

- Dull
- Brittle (shatters)
- Do not react with acid or copper chloride
- Do not conduct electricity
- Low boiling point
- Low melting point
- Usually found as a gas

E: GROUP 7 ELEMENTS: THE HALOGENS

Symbol and Name	Atomic Number	State and colour at room temperature and pressure, colour of v when heated	
F Fluorine	9	pale yellow gas	
CI Chlorine	17	pale green gas	
Br Bromine	35	dark red liquid, readily gives off a brown vapour	
I lodine	53	dark (~black) crumbly solid, purple vapour	
At Astatine	85	black solid, dark vapour - highly radioactive!	



D: GROUP 1 METALS (ALKALI METALS)

The characteristic properties of the alkali metals are:

- They are soft and can be cut by a knife.
 Softness increases going down the group.
- They have a low density.

Lithium, sodium and potassium float on water.

They have low melting and boiling points.

These properties mean that the alkali metals are different to typical metals. However, alkali metals do also share some properties with typical metals:

- They are good conductors of heat and electricity.
- They are **shiny**. This is only seen when alkali metals are freshly cut.

Metal	Reaction with water
lithium	Bubbles of gas are given off quite quickly. When tested with universal indicator the water is now alkaline.
sodium	The sodium melts and skims over the surface producing a stream of small bubbles. Sometimes a yellow-orange flame appeared.
potassium	Potassium immediately produces a lilac flame as it skims around the surface making a fizzing noise.

F: GROUP 0 ELEMENTS: THE NOBLE GASES

atter			(IIII)	ANNIAR C
aa	••			
91	Ne	Ar	Kr	Xe

Physical Properties

- > Colourless, odourless and tasteless.
- > Sparingly soluble in water.
- > Have very low melting and boiling points

	symbol	
helium	He	
neon	Ne	
argon	Ar	
krypton	Kr	
xenon	Xe	
radon	Rn	11

SPANISH

Near Future Tense



A Comparing – 'more than' and 'less than'



https://quizlet.com/_5xv2vj

KO Quizlet link

To make comparisons in English we use 'more than' and 'less than': 'Maths is more difficult than Spanish'. We also add -er to adjectives: 'Spanish is easier than Maths'.

Spanish is easier! You don't need to learn any more word endings. But you still have to remember to check that the verbs and adjectives are correct:

La fruta (f/s) es más sana que el helado. Fruit is healthier than ice-cream.

Las verduras (f/pl) <u>son</u> **más** san<u>as</u> **que** las patatas fritas. *Vegetables are healthier than chips*.

Las verduras contien<u>en</u> **menos** grasa **que** las patatas fritas. *Vegetables contain less fat than chips*.

ir a – to go somewhere voy a ... – I'm going to ... vamos a ... – we're going to ¿quieres ir a ...? – do you want to go to ...? Remember: *se come mucho* ... is a useful way of saying *we / you / they eat a lot of* ...

el desayuno – breakfast desayunar – to have breakfast

lesayunar – to have breakfast

What other groups of similar words have you seen in this unit?

Groups of expressions

Some verbs can be used with many different expressions. Record them together:

tener: tengo hambre (l'm hungry) tengo sed (l'm thirsty) tengo doce años (l'm 12 years old) Tú and vosotros are the familiar ways of saying 'you'. Use them for friends, family and younger people.

Usted and *ustedes* are the polite ways of saying 'you'. Use them to strangers, teachers and older people.

Usted uses the same verb endings as *él* and *ella*. Ustedes uses the same verb endings as *ellos* and *ellas*. These are the 3rd person endings.

querer – to want				
perso	on	pronoun		verb
1	Me =	уо	l want =	quiero
2	You =	tú	Do you want =	quieres
3	Him/her =	él / ella / usted	He/she wants =	quiere
4	Us =	nosotros	We want =	queremos
5	You (pl) =	vosotros	You(pl) want =	queréis
6	Them =	ellos / ellas / ustedes	They want =	quieren

The immediate future

You use this tense just like you do in English to say what you **are going** to do or what is going to happen in the near future.

Take the verb *ir* (to go) + *a* + the *infinitive* of the verb of action:

Voy	а	viajar en tren	I am going to travel by train	
Vas	а	visitar Barcelona	You are going to visit Barcelona	
Voy Vas Va	а	salir con sus amigos	She/he is going to go out with frier	ds
Vamos	а	volar en avión	We are going to fly by plane	
Vais	а	comer en un restaurante	You(pl) are going to eat in a restau	rant
Van	а	jugar al tenis.	They are going to play tennis	
1. C.				12

GEOGRAPHY

South America

<u>A: Brazil</u>

- Located in South America.
- Brazil is the 5th largest country in the world by both land area and population.
- The population in 2012 was around 194 million people.
- The capital city is Brasilia, while the largest city is
 Sao Paulo.
- Other major cities include Rio de Janeiro, Salvador and Fortaleza.
- In Brazil they drive on the right-hand side of the road.
- Brazil has a large coastline on the eastern side of South America, stretching 7491 kilometres (4655 miles) in length.
- Brazil shares a border with all South American countries except for Chile and Ecuador.
- Brazil covers 3 time zones.

B: Layers of the Rainforest



D: Deforestation of the Rainforest

Deforestation means the removal of trees. It is happening at an alarming rate. It is estimated that an area of rainforest about the size of a football pitch is destroyed each second.

Causes of deforestation

Logging

 <u>Wood companies</u> cut down trees for <u>wood</u>, which is mostly sold to <u>Rich countries</u>. In most cases, large areas of forest are destroyed just to remove a few highly valued trees. This has <u>consequences</u>:

 Heavy machines breaks the soil and makes it more likely to be eroded



- Mud is washed into rivers
- Wood roads open up the area to new people who remove even more trees

<u>Farming</u>

Land is cleared and planted with cash crops, usually just one - such as palm oil, Also, it will be use for grazing by <u>cattle farmers (ranchers)</u>. Most <u>cash crops and cattle are eventually sold to Rich</u> <u>countries</u>.

These actions affect the soil for future use because quality of the soil falls. Only <u>farmers who can</u> <u>afford fertilisers</u> will be able to use the soil to grow crops in the future. If they can't afford fertilisers, <u>farmers simply move on and clear more land</u>, so more forest is lost.

Mining Land is completely deforested. Chemicals are used in the mining process. The run-off from this goes into local rivers and pollutes them.

Wood companies and miners build roads to get

Road building



their materials out. People use the roads to enter the forest and build new settlements and set up industries. The Trans-Amazonian Highway in South America is 5,300 km loon and has opened up some remote parts of Brazil to development.

Settlement

Land is being cleared for new homes and settlements. There is more need for these in countries with increasing populations, especially around large overcrowded cities.

<u>Dam building</u>

Hydro-electric dams provide energy but also result in deforestation. Problems include:

flooding of large areas of forest

people may have to move
 drowned forest rots and adds carbon to the atmosphere

Fuelwood

Many people rely on wood for their main source of fuel (heating and cooking), particularly in LIC countries. As the population grows, more wood is chopped down.

<u>C: Living in the Andes</u>



E: Brazil v UK Development Indicators



· Overcrowding - these settlements have a high population density.

• Fires - fires can spread quickly.

F: Issues

Favelas

G: Improving

- · Lack of jobs jobs are in short supply.
- Disease poor sanitation and limited health care can lead to the spread of disease.
- in Favelas: Lack of space the newest and poorest arrivals may be forced to live on the worst quality land.
 - **Poor Infrastructure** services are poor, public transport is limited and connections to the electricity supply can be limited and sometimes dangerous.

Method of	Cost (£)	Positives	Negatives
Improvement			
Installing water	£250,000	Clean water will be	Expensive to
pumps at various		supplied. Also	maintain and can
street corners that		decreases the risk of	lead to community
also treat dirty		disease from	conflicts.
water		mosquitos.	
Hire a team of	£350,000	Buildings are safer	An expensive
builders to make		against crime and	option.
each house is safe		the threat of	
and secure		collapsing.	
Set up more police	£200,000	Streets are safer at	Gangs might fight
patrols and		night and from gang	back. Police could be
community		and violence	involved in
meetings		control.	corruption.
Build a new school	£150,000	Education for young	Cannot help older
and hire teachers		people.	uneducated people.
Build a new doctors	£250,000	Peoples health and	People would have
and vaccinate the		life expectancy	to pay a fee to see
local people against		improve.	the doctor and
disease			receive health care.
Limit the number of	£225,000	New homes are built	Can lead to
people living in a		and safety	community tensions
house. Also, build		improved.	over new builds and
new housing units			the breakup of
			families.
Ban open fires and	£175,000	Risk of fire is	Very time
hire electricians to		massively reduced.	consuming and is
make wiring safe in			only a onetime
all businesses and			event.
housing			

13



HISTORY

The Medieval Church and Medieval Lives Medieval Lives Medieval Church

A: Heaven and Hell

YEAR 7

HOMEWORK

KNOWI EDGE ORGANISER Spring Term 2

Everyone in Medieval England was Christian. They believed that their soul would live on after they die. They believed that their 🥆 🤭 soul would go to either heaven or hell depending on the amount of sin that the person has committed during their lifetime. This meant that Medieval people would avoid committing crimes or doing others harm because they feared the consequence of Hell. The Church would use **doom paintings** to make people fear Hell. This showed people being tortured by devils for their sins. There were seven deadly sins: Pride, Envy (jealousy), Greed, Gluttony (greed for material objects/food), Lust (Fancying people you're not married to), Sloth (Laziness) and Wrath (Anger). In Hell, you would be punished according to your sins. For example, for gluttony you would be force fed rats and snakes and for sloth you would be thrown in a snake pit! This certainly puts an R20 back into perspective!

B: Purgatory (and how to fast track your way through)

Only those who had committed mortal (very bad) sins were sent straight to Hell. The others were sent to Purgatory where their soul could be cleansed (cleaned) ready for entry into heaven. Because heaven is perfect, humans cannot enter heaven straight away, because humans are sinful. Therefore, they go through pain and suffering in purgatory first.

There were ways of reducing your time in Purgatory. These include:

- Pardons (pay the local priest for a pardon for your sins)
- Prayers for the dead (pay local monks to pray for your soul after death)
- Pilgrimage (go on a long journey to a shrine, barefoot, and don't forget to give a large donation when you arrive)

C: Peasant Life

In Medieval times, 90% of people were peasants. This meant that they were farmers. Most peasants lived in the same village all their lives, and tended to crops of wheat or barley (arable farming). Their village and its surrounding field was called a manor and there would be a lord of the manor who would live in the manor house. He was responsible for collecting rents and keeping law and order, but he was also very powerful and rich. Each community also had a miller who would mill the grain into flour - he would use the oven that belonged to the Lord of the Manor to do this. There was also a reeve who managed/oversaw the peasant farmers.

The peasants were very reliant on a good harvest in order to feed their families.

D: Town Life

Towns grew in Medieval England. They were often found near to a river and they became centres of trade, often focused around a market place. This was a place to buy and sell products, such as those produced locally (e.g. apple cider) and those brought over from the continent (e.g. spices). Merchants became very rich from buying and selling products in market towns. The town also allowed people to have a variety of jobs, such as being a cobbler (shoe-maker), tanner (leather-worker) and a blacksmith (horse-shoe-maker). Members of each trade would come together and form **guilds** where they would support one another and ensure that their trade gained a strong reputation. Some towns became famous for trading particular products, such as Bristol became famous for wool and Gloucester became famous for metalwork.

E: Law and Order

There was no police in Medieval Times. Instead, each male member of the community joined a tithing, which comprised of ten men that were each responsible for one another. If someone in the community committed a crime, a member of the tithing would call an alarm and there would be a hue and cry where everyone would chase after the accused person. They would then stand trial at the local manor court.



PHILOSOPHY AND ETHICS

Inspirational Figures (Part 2)



A: Key terms

Key Term	Definition
Abraham	Important prophet and religious figure in Judaism, Christianity and Islam.
Angel	Heavenly being that delivers messages from God.
Covenant	A promise made between God and Abraham
Dilemma	When you are not sure of the right thing to do.
Gabriel	Important angel.
Inspirational person	To offer something valuable which motivates others to bring out the best in themselves.
Isaac	The much loved son of Abraham and Sarah. (Ishmael in the Islamic version)
Loyalty	A strong love and devotion.
Obedience	To do whatever you are ordered.
Sacrifice	When you have to give up something you care about.
Sarah	The wife of Abraham. (Hagar in the Islamic version)

B: Obeying God

Reasons TO obey God

- Abraham had made a covenant with God.
- He wanted to show God he was faithful and would do all God asked.
- He trusted God completely – there must be reason God is asking him to do this.
- Abraham had to be obedient and obey God.

Reasons TO NOT obey God

- He loved his son very much.
- He had wanted a son for many years.
- His wife loved Isaac and had wanted a son for many years.
 - It is wrong to kill an innocent life – Isaac hadn't done anything to deserved being killed.



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ART

The Colour Wheel and Mixing Colours







Primary colours cannot be mixed. Red, Yellow and Blue

How to mix secondary colours: Orange = Yellow and Red Purple = Red and Blue Green = Blue and Yellow



Film Music



A: Film Music Composers and their films.

MUSIC



John Williams Star Wars Jurassic Park Harry Potter Indiana Jones Jaws E.T. Home Alone War Horse Hook



Hans Zimmer Inception Lion King Pirates of the Caribbean The Dark Knight Interstellar Kung Fu Panda Madagascar Megamind



Danny Elfman

The Nightmare Before Christmas The Simpsons Movie Hulk Batman Returns Spiderman 3

B: How Music Changes Film

- Film music is used to convey the emotion that is shown on screen.
- Film music uses the elements of music in EXTREME measures
- Film characters have their own 'theme' known as a leitmotif.
- Films can change their genre just by changing the music.
- Timing is very important in Film Music. Composers normally watch the scene first to see what key moments need to addressed in the music.

<u>C: Film Music Key Words</u>

Diegetic - Music whose source is present on screen.

Non-Diegetic - Music that is added for effect.

Leitmotif - A character's theme tune.

Mickey-Mousing – Music that is written to fine details of the scene.

YEAR 7 HOMEWORK KNOWLEDGE ORGANISER Spring Term 2	ofTheatre <u>55</u> 0BC - 164	2	W
Section A: Dramatic beginnings	Section C: Medieval Theatre 401 - 1500	Section D: Commedia	Section E:
It is thought that the first theatrical performances arose from <u>rituals</u> <u>and religious ceremonies</u> . These ceremonies were coupled with myths or stories. Over time, the myths themselves separated from the ritual aspect and soon were performed for the primary purpose of telling a story. What is the purpose of theatre?	The Medieval theatre was a source of entertainment and education for residents of the Middle Ages. Though initially tinged with religious zeal, Medieval theatre went through centuries of evolution and themes outside of the Bible were eventually accommodated.	An early form of professional theatre, originating from Italy, that was popular in Europe from the 16th to the 18th century. <i>Commedia dell'arte</i> was formerly called Italian comedy.	Elizabethan Theatre 1562 - 1642 This is the style of the plays of William Shakespeare, Christopher Marlowe and Ben Jonson when Oueen Elizabeth I was on the throne.
Educate Political commentary Social commentary Unifying Inform Communication Section B: Greek Theatre	est every Greek city had a theatre because plays we	are part of many validities fastive	

<u>550 BC - 220 BC</u>

Amphitheatre – Greek stage



Almost every Greek city had a theatre because plays were part of many religious festivals. The Greeks enjoyed singing and dancing. At first, theatres were only used for festivals.

The theatres were built on hillsides in the open air and could often hold more than 18,000 spectators. The theatres were open air and built in a semi-circular shape with rows of tiered stone seating around it. The shape of the theatres gave everyone in the audience excellent viewing and also meant they could hear the actors well too. In the centre of the theatre was a circular dancing floor (orchestra), with an altar for sacrifices dedicated to Dionysus. The stage was a raised area within this circle.

All the actors were men. They wore large masks that exaggerated facial features and emotions. The mouth hole was large to help amplify the voices. Greek plays were either comedies or tragedies. Tragedies were often about the past, whereas comedies tended to be about current and everyday life. Actors in comedies wore bright colours. Actors in tragedies wore dark colours.

Plays were either spoken or sung in rhyme.



COMPUTER SCIENCE

Digital Graphics



A: Definition of graphics

A graphic is an image or visual representation of an object. Therefore, computer graphics are simply images displayed on a computer screen. Graphics are often contrasted with text, which is comprised of characters, such as numbers and letters, rather than images

B: Examples of Graphics

- Symbols
- Logos
- Brands
- Icons



C: What graphics are used for



D: Main 2 types graphics

BITMAP

- + A bitmap is an image composed of pixels with a fixed resolution
- + The number of pixels in an image determines the quality of the image (resolution)
- + Resizing can result in pixelation
- A bitmap is also known as a raster graphic

VECTOR

- + A vector is created by using a series of mathematically defined lines and curves rather than pixels
- + When a vector is resized, the formula is recalculated
- + The image will have the same quality—no matter what size
- + Also called draw-type graphics

7x Magnification Vector er ice nts Bitmap

E: What you should think about when making graphics

- What is it for?
- Who is the target audience?
- What are the images used?
- Is the image is appropriate/inappropriate?
- What type of text is used and text colour
- Use of white space

F: File types

JPG.	GIF	PNG 2000 Mail	

G: 4 main principles of graphic design

- **Contrast** Making a specific element stand out or draw attention to the eye
- **Repetition** is simply the process of repeating elements throughout a design
- Alignment refers to lining up the top, bottom, sides, or middle of text or graphic elements on a page
- Proximity is simply the process of ensuring related design elements are placed together

A: Players and Positions

PLAYERS: A netball team consists of up to 12 players with 7 players allowed on court at any one time. A team may take the court with a minimum of 5 players.

PE

Netball

Netball Court showing starting positions for a centre pass



Positions, Responsibilities and Areas Permitted

Position	Responsibilities			
GS	To score goals and to work in and around the circle with the GA			
GA	To feed and work with GS and to score goals	1,2&3		
WA	To feed the circle players giving them shooting opportunities	2&3		
С	To take the Centre Pass and to link the defence and the attack	2, 3 & 4		
WD	To look for interceptions and to prevent the WA from feeding the circle	3 & 4		
GD	To win the ball and reduce the effectiveness of the GA	3, 4 & 5		
GK	To work with the GD and to prevent the GS from scoring goals	4 & 5		

B: Rules

PLAYING TIME: A game consists of 4 x 15 minute quarters

CENTRE PASS: Alternate for each team. The Centre must be wholly within the Centre Circle and must obey the footwork rule after the whistle has been blown. The Centre pass must be caught or touched by a player standing in or landing wholly within the Centre third.

MINOR INFRINGEMENTS- FREE PASS

Breaking the following rules will result in a FREE PASS (can be marked by the offender) being awarded to the opposing team.

OFFSIDE: Player moving out of permitted area, with or without ball (on a line counts as within either area). **BREAKING AT THE CENTRE PASS:** A player moving into the Centre third before the whistle is blown for the Centre pass.

PLAYING THE BALL: 3 seconds to pass or shoot, after catching otherwise it is a HELD BALL. A player may bounce or bat the ball once (with one hand) to gain control. A player on the ground must stand up before playing ball

OVER A THIRD: Ball may not be thrown over a complete third without being touched or caught by a player wholly within that third.

FOOTWORK: Passing or shooting the ball, whilst moving/hopping/dragging your landing foot.

MAJOR INFRINGEMENTS- PENALTY PASS

Breaking the following rules will result in a PENALTY PASS or PENALTY PASS OR SHOT (can't be marked by the offender) being awarded to the opposing team.

A PENALTY PASS (or PENALTY PASS/ PENALTY SHOT if in the goal circle) is awarded where the infringement occurred. The offending player must stand beside the thrower until the pass or shot has been taken.

OBSTRUCTION: Player with the ball: Standing closer than 0.9m / 3ft

Player without ball: the defender may be close, but not touching, providing that no effort is made to intercept/defend the ball and there is no interference with the opponents throwing or shooting action. Arms must be in a natural position, not outstretched, and no other part of the body or legs may be used to hamper an opponent.

CONTACT: No player may contact an opponent, either accidentally or deliberately, in such a way that interferes with the play of that opponent or causes contact to occur.

OUT OF COURT - THROW IN: Taken for a ball which leaves the court. Must be set from where it went out (in-line with Umpire).

TOSS-UP: For all simultaneous infringements. The two players stand facing each other with hands by their sides. Umpire flicks the ball upwards the height of the tallest person's shoulder.

DT – Miss Cockayne

<u>A: Key words</u>

The bridge hold- Shaping your hand like a bridge for safe chopping

The claw grip- Shaping your hand like a claw for safe cutting Aesthetics-making your final product attractive Portion size- A recommended serving size for your age Mis en place- Preparation time at the start on a practical The Eatwell Guide- A healthy eating guide for a balanced diet

Food



C: At the start of every practical lesson:







vegetable with





E: How much sugar is in your food?

your hand

Make a bridge

over the

Children aged 11 and over should be having no more that **7tsp** of sugar per day.



G: 8 government guidelines for a healthy diet

- 1. Base your meals on starchy foods.
- Eat lots of fruit and vegetables. 2.
- Eat more fish- including a portion of oily fish each week. 3.
- Cut down on saturated fat and sugar. 4.
- Eat less salt- no more than 6g a day for adults. 5.
- Get active and be a healthy weight. 6.
- Don't get thirsty- drink plenty of water. 7.
- 8. Don't skip breakfast.



well

machines and polishes

and baths

car lights, wash basins

DT – Miss Radford

Resistant Materials



Section A - Ko	ey tools an	d equipment	Section C – Plastic sources	Section D – Product analysis	
Image	Tool Name	Uses	Natural sources of plastics include:	ACCESSFM	
	Vice	To hold material securely in place	•plants •trees •animals •insects	A Aesthetics What does it look like? e.g. colour, shape, style Is the product appealing to the client?	
	Wet and	To polish the material	Synthetic Synthetic plastics are chemically manufactured from:	C Cost How much does the product cost to buy? Is this a suitable price?	
	Dry Paper File	To remove	•crude oil •coal •natural gas	C Client Who is the product aimed at? How i it suitable for the client?	
		material and scratches	Thermoplastics and thermoset plastics Plastics are divided into thermoplastics and thermoset plastics.	E Environment How has the product been made sustainable?	
	Coping Saw	To cut curves	 Thermoplastics can be heated and shaped many times. Thermoset plastics can only be heated and shaped once. 	S Safety Is the product safety to use during intended use? How has the product been made safe?	
n-			Section D – Process of making plastic	Size What size is the product (mm)? Is this	
ection B – Mate	erial prope	rties and uses	1. Oil field	a suitable size for the product?	
<u>Name</u> : Polymethyl methacrylate (Acrylic) Properties Uses		Uses	 Oil tanker Crude oil refinery and distillation Distribution 	Function What does the product do? Does it do the job well?	
iff, hard but scratches asily, durable, brittle in nall sections, goodSigns, covers of storage boxes, aircraft canopies and windows, covers for			 5. Processing plant 6. Plastic granules 7. Factory 8. End product 	Materials What is the product made from? Is this a suitable material for the	

End product

product? Why?

Notes/Reminders:						

BE KIND MABD MOBK