



Gloucester Academy

Year 7

Summer Homework

Knowledge Organiser

Knowledge is power. Information is liberating.

Summer Homework - Instructions

For your Summer Homework you need to do self quizzing in your homework practice book using the information in this booklet

Each week you have one set of words to complete. In other words you will do one page of self-quizzing per week.

If you run out of space in your practice book you may complete it on paper.

This will be checked on your return to school.

Please remember to learn the information properly by memorising the information before writing it down, then marking in purple pen and redoing it if you got it wrong.

Please also remember to fill a whole side of A4, so if you get half way down, just redo it until you reach the bottom of the page.

Week 1 - Maths

	Piece of Information	Answer
1	Integer	A whole number, this can be positive, negative or zero.
2	Prime number	A number that only has two factors, 1 and itself.
3	Multiple	The times table for the given number.
4	Factor	Numbers that divide into a given number. Decimals are not included.
5	Lowest Common Multiple (LCM)	The smallest number that can be divided by all the numbers in the question.
6	Highest Common Factor (HCF)	The biggest number that will divide into all the numbers in the question.
7	Square numbers	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, ...
8	Cube numbers	1, 8, 27, 64, 125, 216, 343, 512, 729, 1000, 1331, 1728, ...
9	1000 metres	There are 1000 metres in a kilometre (km).
10	1000 grams	There are 1000 grams in a kilogram (kg).

Week 2 - English

	Piece of Information	Answer
1	Rebirth	A story where the hero 'falls under a dark spell' (sleep, sickness or enchantment) before breaking free and being redeemed. E.g.: The Fall of Man, A Christmas Carol.
2	Symbol	An image, icon or object used to represent ideas, feelings or concepts. E.g.: a snake represents evil due to the story of Adam and Eve in the bible.
3	Idiom	A saying that has a different message to what the individual words mean, for example, 'that's a piece of cake' is a saying for 'that's easy'.
4	Tragedy	A story without the happy ending. Stories usually end with loss or death. E.g.: Icarus, Pyramus and Thisbe.
5	Allusion	To hint or refer to something indirectly.
6	Metaphor	A figure of speech containing an implied comparison.
7	Protagonist	The leading character in a film, novel, story, poem or song. They can be both a hero and an anti-hero.
8	Inference	A conclusion or opinion that is formed because of known facts or evidence. E.g. If your teacher smiles or laughs, you might infer they are in a good mood.
9	Pathetic Fallacy	Giving emotions to something non-human. Often it is used to give the weather human emotions to reflect the mood of a character.
10	Morality	The principles that help us understand what is right and wrong.

Week 3 - Science

	Piece of Information	Answer
1	Variable	Something that can be changed, measured or controlled
2	Independent variable	A factor that we change.
3	Dependent variable	A factor that we measure.
4	Control variable	A factor that we keep the same.
5	Apparatus	The equipment used in a practical/investigation
6	Repeatable Results	The same investigator achieves similar measurements when repeating the same method.
7	Mean	Total of all of the values \div The number of values.
8	Precise	Precise measurements are ones in which there is very little spread about the mean value
9	Accurate	A measurement result is considered accurate if it is judged to be close to the true value.
10	Diffusion	Diffusion is the spreading out of the particles resulting in a net movement from an area of higher concentration to an area of lower concentration.

Week 4 - History

	Piece of Information	Answer
1	Cavalier	This is the common name for Royalist soldiers because they often fought on horseback (cavalry).
2	Autocracy	This is a system of government where complete control is in the hands of one person.
3	Interregnum	A period of British history from 1649 to 1660 in which Oliver Cromwell ruled the country as Lord Protector.
4	Glorious Revolution	This took place in 1688 when parliament replaced the last Catholic monarch of England with a Protestant, William III
5	Vaccination	This is the introduction of a small or weakened amount of a disease to help the body develop immunity.
6	Cholera	This is a highly contagious disease that is spread by the consumption of infected food or water.
7	Bow Street Runners	This group was established in 1749 by the Chief Magistrate at a Bow Street Court to deal with the increase in crime in London.
8	Claimant	This is a person who competes with another to achieve something. For example in 1066 there were three of these who claimed they should be the next king.
9	Indulgences	These were certificates to forgive sins. They could be bought or earned by charity work.
10	Excommunicate	This was to prevent someone from taking part in religious services of the Christian Church.

Week 5 - Geography

	Piece of Information	Answer
1	Relief	This refers to the way in which a landscape changes in height.
2	Informal employment	This is work that is neither taxed nor monitored by the government.
3	Carnivore	An animal whose food and energy requirements derived solely from animal tissue or meat, whether through hunting or scavenging.
4	Desertification	The process by which land becomes drier and degraded as a result of climate change, human activities or both.
5	Contour Line	A line on a map joining points of equal height above or below sea level.
6	Frontal rainfall	This is when warm and cold fronts meet, creating rainfall.
7	Poverty	This is a state or condition in which a person or community lacks the financial resources and essentials for a minimum standard of living.
8	Hypothesis	This is a prediction made with limited evidence at the beginning of a scientific investigation.
9	Deforestation	The cutting down and removal of forest.
10	Glacier	This is a slow-moving ice mass, formed over a long period from compacted snow.

Week 6 - Spanish

	Piece of Information	Answer
1	me llevo bien	I get on well
2	con mi padre	with my dad
3	porque es gracioso y	because he is funny and
4	siempre me hace reír	he always makes me laugh
5	no me llevo bien	I don't get on well
6	con mi hermana	with my sister
7	que se llama Anabella	who is called (calls herself) Anabella
8	y tiene los <u>ojos</u> verdes	and she has green <u>eyes</u>
9	y el <u>pelo</u> corto	and <u>short</u> hair
10	dado que es a veces antipática	because she is sometimes mean