



Gloucester Academy

Year 8

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	Area of a circle	πr^2 , where r is the radius.
10	Circumference of a circle	$2\pi r$, where r is the radius or πd , where d is the diameter.

Week 2 - English

	Piece of Information	Answer
1	Gothic settings	Conventional elements are: wild landscapes, gloomy, decayed, ruined environments, remote or uninhabited places, medieval style castles, churches and abbeys.
2	Supernatural	Events or things that cannot be explained by nature or science and that are assumed to come from beyond, or to originate from otherworldly forces.
3	Motif	A dominant or recurring idea in an artistic work.
4	Pathetic fallacy	A literary device that attributes human qualities and emotions to inanimate objects of nature.
5	Psychoanalysis	A clinical method for treating mental illness through dialogue between a patient and a psychoanalyst.
6	The Superego	The part of your personality that holds our sense of right and wrong which provides guidelines for making judgements.
7	Romanticism	Romanticism was an artistic movement that originated in Europe toward the end of the 18th century. It emphasised emotion and individualism as well as glorification of all the past and nature.
8	Subconscious	The part of the mind which one is not fully aware of, but which influences one's actions and feelings.
9	The Victorian era	The period between 1837-1901 when Queen Victoria ruled Britain and its far reaching empire.
10	Monologue	A long speech by one actor in a play, film or poem.

Week 3 - Science

	Piece of Information	Answer
1	Independent variable	A factor that we change.
2	Dependent variable	A factor that we measure.
3	Control variable	A factor that we keep the same.
4	Apparatus	The equipment used in a practical/investigation.
5	Mean	Total of all of the values \div The number of values.
6	Repeatable	When after repetition, under the same conditions by the same investigator, gives similar results.
7	Reproducible	A measurement is reproducible if the investigation is repeated by another person, or by using different equipment or techniques, and the same results are obtained.
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	Missionaries	These were European Christians who tried to convert people of other religions to Christianity.
2	Disenfranchisement	This is the state of being deprived of a right or privilege, especially the right to vote.
3	Sharecropping	This is when plantations were divided between tenant farmers who gave a share of their crop as rent.
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5	Black Codes	These were laws introduced in the southern states of America that limited the freedoms of newly freed slaves.
6	Collective Security	This means when countries work together to keep the peace.
7	Stresa Front	This was an agreement in 1935 between Britain, France and Italy declaring they would unit against Hitler.
8	Blitzkrieg	This is the German military tactic of using rapid and overwhelming force.
9	NUWSS National Union of Women's Suffrage Societies	This is a group led by Millicent Fawcett, they campaigned for women's rights using petitions and lobbying.
10	WSPU Women's Social and Political Union	This is a group led by Emmeline Pankhurst, they campaigned for women's rights using militant methods.

Week 5 - Geography

	Piece of Information	Answer
1	Flash flood	A sudden flood that usually occurs due to heavy rain.
2	Salinity	This is the amount of salt contained in something.
3	Traction	When material is rolled along a river bed or by waves.
4	Disposable income	This is the income that people have to spend after taxes.
5	National Park	This is an area that is protected by law to ensure its conservation.
6	Barrier reef	This was originally a fringing reef but is now surrounded by deeper water due to sea level rise.
7	Pension	This a regular payment made by the state to people of or above the official retirement age.
8	Ecosystem	A community of plants and animals that interact with each other and their physical landscape.
9	Ecotourism	This is nature tourism usually involving small groups with minimal impact on the environment.
10	Bamboo	A large fast-growing type of grass that forms stiff, strong stems.

Week 6 - Spanish

	Piece of Information	Answer
1	se puede ir	one/you can go
2	al <u>centro</u> comercial	to the shopping <u>centre</u>
3	pero por desgracia	but unfortunately
4	no hay estadio	there is not a stadium
5	que es una pena	which is a shame
6	porque me encanta el fútbol	because I love football
7	antes, en mi pueblo, había	before, in my town, there was
8	demasiado tráfico y ruido	too much traffic and noise
9	sin embargo ahora es	however now it's
10	más tranquilo(a)	more calm (feminine)