

*Concise*  
Raynes Park  
**Literacy**  
*Dictionary*

## Art & Design; Photography

★ <b>Abstract</b>	A style of art that is not realistic. Unusual lines, colours and shapes make the subject look unrealistic. It is often characterised by the use of geometric lines and shapes and bold, bright colours.
★ <b>Aesthetic</b>	Ideas about what makes a work of art beautiful or satisfying.
<b>Aperture</b>	The size of the lens opening through which light passes. The degree of the opening is indicated by the F number.
<b>Art criticism</b>	The process of looking at, thinking about and judging an artwork.
<b>Assemblage</b>	A three-dimensional work of art made by joining materials and objects together.
★ <b>Atmosphere</b>	The mood and feel of the surroundings/ environment/ attitudes presented.
★ <b>Back Lighting</b>	The light that comes from behind the subject and towards the camera.
★ <b>Compose</b>	To design or create something by arranging different parts into a whole.
★ <b>Composition</b>	An arrangement of elements of art using the principles of art to express the artist's idea.
★ <b>Construct</b>	To make something by joining together materials.
<b>Contact Sheet/ Contact Print</b>	The initial form in which a photographer sees a film negative in positive form. It is made by creating a print the same size as the negative.
★ <b>Context</b>	The circumstance in which something occurs, often determines meaning.
<b>Contour</b>	The outline of a shape.
★ <b>Contrast</b>	The effect of showing the difference between two unlike things such as dark colours and light colours.
<b>Crop</b>	To alter the edges of a photograph by changing the position of the camera, adjusting the enlarger or easel during printing or trimming a final print.
<b>Darkroom</b>	A light tight room used for processing and printing, incorporating safe lights for the materials used.
<b>Depth of Field</b>	The zone of sharp focus in a picture. The area in front of or behind the point of focus in a photographic image.
<b>Developer</b>	Chemical that changes an invisible latent image into a visible one.
<b>Digital imaging</b>	The combination of digital photographs and photo editing.
<b>Dodging</b>	Lightening an area of a print by shading it during exposure.
<b>Elements of art</b>	The formal elements of an artwork. Line, colour, value, shape, form, texture and space are the elements of art.
<b>Emulsion</b>	the light sensitive coating on film or paper.
<b>Enlargement (an)</b>	A term for a photographic print from a negative that is bigger than the original.
★ <b>Enlarge</b>	Creating something that is bigger than the original.
★ <b>Exaggeration</b>	Showing something in a way that makes it seem larger or more important than it is.
★ <b>Exposure</b>	The amount of light allowed to fall onto a light sensitive surface.
★ <b>Formatting</b>	The process of preparing a reusable memory card to record photographs by deleting all previous images.
<b>Found object</b>	Something that an artist finds and uses in an artwork such as a scrap of metal or a piece of wood.
★ <b>Landscape</b>	Piece of inland scenery, usually viewed in a sideways format.
<b>Manipulation</b>	The changing of something.
<b>Mixed media</b>	Artworks that are created from more than one medium.
<b>Negative</b>	The image produced on a photographic emulsion by exposure followed by development in which tones are reversed.
★ <b>Organic</b>	A word describing shapes and forms similar to those in nature and the opposite of geometric.
★ <b>Proportion</b>	The relation of one thing to another with respect to size and placement.
<b>Resolution</b>	Quality and fineness of detail in a digital image.
★ <b>Scale</b>	Increasing or decreasing something in size.
<b>Soft focus</b>	A slightly diffused image.
<b>Solarisation</b>	Briefly exposed print during the printing process creating a partly negative image.
★ <b>Texture</b>	Appearance, touch, structure and consistency of something.
★ <b>Tone</b>	The amount of light and dark in a picture.

## Business Studies

★ Autocratic leadership	Manager makes all decisions without consultation.
Boston matrix	Model that analyses a product portfolio according to growth rate of the market and market share of products.
Brand	A name, term, sign, symbol, design. Differentiates from competitors.
Breakeven point	Total revenue and total cost are the same.
Capacity utilisation	The use that a business makes of its resources.
★ Capital	The money provided by the owners in a business.
Complementary goods	Goods purchased together because they are consumed together.
★ Contribution	Money left over after variable costs have been subtracted from revenue.
Critical path	The tasks that could delay a project.
Decision tree	All possible outcomes of a decision.
★ Democratic leadership	Manager allows others to participate in decision making.
Design mix	Range of features that are important e.g.. function, cost & aesthetics.
E-commerce	Conducting business transactions online.
Economies of scale	The reduction in average costs enjoyed by a business as output increases.
Entrepreneurs	Individual who sets up and runs a business and takes on the risks associated with this.
Franchise	Business allows another operator to trade under their name.
Gross profit	Difference between revenue and cost of sales.
Inferior goods	Demand will fall if incomes rise.
Laissez-faire leadership	Employees encouraged to make their own decisions.
Margin of safety	Amount by which sales can fall before the breakeven point is reached.
Market	Allows buyers and sellers to communicate.
Market positioning	The perception customers have about a brand/product/service.
Market segment	Part of a whole market where a particular customer group has similar characteristics.
Marketing	Identifying, anticipating & satisfying needs.
Mission statement	Purpose and objective of a business.
Net profit	Difference between operating profit and interest.
Niche market	Small, specific, specialised.
Operating profit	Difference between gross profit and overheads.
Paternalistic leadership	Leader makes the decision but takes into account the welfare of employees.
PESTLE	Political, economic, social, technological, legal & environmental.
Price elastic demand	Change in price results in a greater change in demand.
Qualitative research	Attitudes, beliefs and opinions.
Quantitative research	Numerical data.
Social enterprise	Trades with objective to improve human or environmental well-being.
★ Supply	The amount of products that suppliers make available to the market at a given price.
★ SWOT analysis	(internal) strengths, weaknesses, (external) opportunities & threats.
★ Synergy	Combining two business practices to create a better outcome.
Transformational leadership	Where new leadership brings about change with the purpose to improve performance.
Variance	The difference between actual financial outcomes and those budgeted.
Working capital	Current assets minus current liabilities.

# Catering

## Additives

Natural or synthetic chemical substances added to food during manufacture or processing .

## Aeration

Incorporating air into a mixture.

## Amino acids

The building blocks of proteins.

## Bacteria

Pathogenic microscopic living organisms, usually single-celled, that can be found everywhere.

## Balanced diet

A diet which provides all the necessary nutrients in the correct amount.

## B group of vitamins

Vitamin B1 (Thiamine): enables energy to be released from carbohydrates in the body.

## Calcium

Main mineral in the body, teeth and bones. It needs vitamin D to help absorption.

## Coagulation

The setting or joining together of lots of denatured protein molecules during heating or change in PH. An irreversible change to the appearance and texture of protein foods.

## Denaturation

Chemical bonds in the protein food have broken, causing the protein molecule to unfold and change shape.

## Dietary fibre

Complex carbohydrate/non-starch polysaccharide, e.g.. whole grain cereals and cereal products.

## Disaccharide

A carbohydrate made from two sugar molecules.

## 'Eat well guide'

Informs individuals of the variety of food groups required for a healthy balanced diet.

## Enzymic browning

The discolouration of a fruit or vegetable due to the reaction/chemical process where oxygen and enzymes in the plant cells of the food to react and cause the surface to become brown.

## Emulsification

Refers to the tiny drops of one liquid spread evenly through a second liquid. An emulsifier (such as egg yolk) is used to stabilise an insoluble mixture.

## Fat soluble vitamins

Vitamins (the A, D E, and K groups) that dissolve in fat.

## Gelatinisation

When starch granules swell when cooked with liquid, then burst open and release the starch, causing the liquid to thicken.

## Gluten free

Food which does not contain gluten (crucial for those with Coeliac disease).

## High risk foods

Foods that are high in moisture and nutrients, especially protein (perishable foods: meat, shellfish, cooked rice, eggs, milk, cream). They support the growth of pathogenic microorganisms, such as bacteria.

## Julienne

Cutting vegetables into matchstick strips.

## Lactose intolerant

A condition which means you cannot digest disaccharide sugar lactose.

## Low Biological Value

Protein foods that are missing one or more essential amino acids (LBV).

## Marinade

To soak foods such as fish, meat, poultry and vegetables in a liquid to help develop the flavour, tenderise and in some instances colour the food before it is cooked.

## Monosaccharide

A simple carbohydrate. Mono means one, saccharide means sugar.

## Nutrients

The properties found in food and drinks that give nourishment – vital for growth and the maintenance of life. The main nutrients needed by the human body are carbohydrates, proteins, fats, vitamins and minerals.

## Nutritional analysis

Nutritional information for different foods, creating a nutritional profile of the specific nutrients in the food.

## Oxidation

Substances pick up oxygen from the air; they then oxidise to undergo a chemical reaction, resulting in food losing freshness and colour.

## Polysaccharide

A complex carbohydrate: many sugar molecules joined together, they do not taste sweet.

## Plasticity

The ability of fat to soften over a range of temperatures to hold its shape, or be shaped and spread.

## Raising agents

An ingredient or process that introduces a gas into a mixture so that it rises when cooked.

## Radiation

A heating process that does not require physical contact between the heat source and the food being cooked. Instead, energy is transferred by waves of heat or light striking the food.

Two kinds of radiation heat are used in the kitchen: infra-red and microwave.

## Reduction

The process of simmering a liquid over heat until it thickens. It is also the name of the concentrated liquid that forms during this process.

## Reference Nutrient Intake (RNIs)

An estimate of the amount of proteins, vitamins and minerals that should meet the needs of most of the group to which they apply.

## Religion and cultures

The way of life, general customs and beliefs of a particular group of people at a particular time. Relating to the core of their traditions. Dietary laws, rules and advice which dictate the type of foods to be eaten.

## Sensory properties

Smell, appearance and texture, mouth feel influence what we select to eat.

## Sodium (salt)

Controls the amount of water in the body.

## Tasting panel

A process of testing foods. The process must be fair and realistic controlled conditions.



<b>Child Development &amp; Care</b>	
★ <b>Assessment</b>	Using observations to work out a child's stage of development.
★ <b>Attachment</b>	The process by which children and their parents/ carers develop a strong loving relationship.
<b>Behaviour Strategies</b>	Ways in which adults can encourage positive behaviour in children e.g... rewards, stickers etc.. Alternatively, it could be how we sanction children for misbehaving e.g... time out.
<b>Confidentiality</b>	This is to do with the use of information about children and families. This information should be protected and if you are given information which is sensitive, you must only tell those that need to know (within the setting).
<b>Co-operative Play</b>	Where children can play together and take it in turns.
<b>Developmental Milestone</b>	Developmental milestones are behaviours or physical skills seen in infants and children as they grow and develop. Rolling over, crawling, walking, and talking are all considered milestones. The milestones are different for each age range. There is a normal range in which a child may reach each milestone.
<b>Developmental norm</b>	Developmental norms are defined as standards by which the progress of a child's development can be measured.
<b>Disclosure Barring Service (DBS)</b>	A DBS check refers to the Disclosure and Barring Service, which helps employers make safer recruitment decisions and prevent unsuitable people from working with vulnerable groups, including children.
<b>Discrimination</b>	Discrimination is when someone is treated unfairly or differently due to their race, gender, age etc.
★ <b>Diversity</b>	Understanding each person is unique whilst recognising individual differences.
<b>Early Years Foundation Stage Curriculum (EYFS)</b>	This is the curriculum that all OFSTED registered child care provision must follow for children aged 0-5 years.
<b>Early Years Worker</b>	This is someone who works with children aged 0-5 years old.
<b>Emotional Development</b>	Emotional development is a child's sense of security, their sense of personal identity or self-image and their self-awareness. Emotional development also includes understanding other peoples feelings as well.
★ <b>Equality</b>	Being equal, especially in terms of rights and opportunities.
<b>Fine Motor Skills</b>	Small movements using smaller muscles to do activities such as picking up a spoon.
★ <b>Gross Motor Skills</b>	Large movement using larger muscles to do activities such as running, balancing and throwing.
★ <b>Hazard</b>	Something which is a danger or a risk to someone.
<b>Holistic Development</b>	A child's overall development.
<b>Inclusive Practice</b>	Making sure all children are included in the setting by giving equal access and opportunity and removing discrimination.
<b>Intellectual Development</b>	Intellectual development refers to the development of language, memory and thinking skills.
<b>Key Carer</b>	A person or people who take(s) on the role of being a child's parent.
<b>Language Development</b>	This is the skills required to express yourself and understand others. This includes, pointing, smiling, talking and listening.
★ <b>Mentor</b>	An experienced advisor who acts as a guide and support for those who need it.
★ <b>Metacognition</b>	How we think about our learning, and our awareness and knowledge of the process so that we can evaluate it.
<b>Non Statutory Service</b>	A non-statutory service is a service that doesn't receive a lot of government funding so they are paid for by service users or they are free of charge.
<b>Ofsted</b>	This is the Office for Standards in Education, Children's Services and Skills.
<b>Parallel Play</b>	This is where children play alongside each other, but not with each other.
<b>Personal hygiene</b>	Keeping skin, hair and teeth clean.
<b>Physical Development</b>	Physical development is the process that starts in human infancy and continues into late adolescent concentrating on gross motor skills, fine motor skills, balance and co-ordination.
<b>Placement co-ordinator</b>	A person responsible for managing students that are on placement in a setting.
<b>Prejudice</b>	Assuming something about a person before you know them based on their race, age, gender or disability etc.
<b>Premature</b>	This describes a baby who is born earlier than expected.
<b>Role Model</b>	Someone who is looked up to by others as an example.
<b>Safeguarding</b>	Safeguarding is the action that is taken to promote the welfare of children and protect them from harm.
<b>Self settle</b>	To self settle is being able to fall asleep alone without being rocked, rubbed or held by an adult.
<b>Social Development</b>	Social development involves learning about the relationships we have with others and how to fit into groups.
<b>Solitary play</b>	Where children play on their own.
<b>Statutory Service</b>	This is the provision for children, health and social care services which must be provided by law. These are run by the government or by local authorities and are usually free at the point of access.

## Design & Technology



### Automation

The use of control systems for operating equipment such as machinery and processes in factories; this reduces human input.

### BSI

British Standards Institute (BSI) is a service organization that produces standards across a wide variety of industry sectors.

### CAD

Computer-aided design. Using a computer to help you design.

### CAM

Computer-aided manufacture. Using a computer to help you make.



### Client

The person/people/audience being designed for and whose needs are being met.

### Co-operative

A group of people united to meet common social, economic or cultural need through a jointly-owned business.

### Commercial process

Manufacturing method used to produce products in quantity.

### Commercial product

A product intended to make money.

### Conceptual stages (of design)

Use of models, sketches and computer aided design (CAD) to show the design of a product as it develops.

### Continuous improvement

The identification of improvements and subsequent evolution of products.

### Crowd funding

A large number of people who raise money for a project or venture.

### Ecological

The consideration of the environment and the impact that design can have on it.



### Ethics

Moral decisions when designing and manufacturing.

### Fabricate

Using processes such as cutting, bending, joining and assembly to produce products.

### Finite

A material or source which will one day run out.

### Functionality

How well a product carries out its purpose.

### Fusibility

How well a material is converted by heat into a molten or liquid state dependent on its melting point.

### Iterative design

Design methodology based on a cyclical process of analysing, prototyping and testing to refine a product. Each iteration and result starts the process again.

### JIT

Just in time manufacturing is a workflow methodology aimed at reducing flow times within production systems, as well as response times from suppliers and to customers.

### Lean manufacturing

Reducing and eliminating waste in a manufacturing process.

### Life cycle assessment

A technique used to assess the environmental impact of a product at all stages of its manufacture, use and disposal.

### Market pull

Products developed to meet the needs of society or a specific section of the market.

### Mechanical device

Mechanism which produces and/or changes movement.

### Nesting

The tessellation of shapes or nets on a material to minimise the amount of waste during manufacture.

### PCB

Printed circuit board is an electronic circuit consisting of thin strips of a conducting material such as copper, which have been etched from a layer fixed to a flat insulating sheet called a printed circuit board.

### Physical properties

Properties that refer to the actual matter that forms the material (e.g.. insulation, conductivity, fusibility).

### Planned obsolescence

Deliberately designing the lifecycle of a product to be short, forcing the user to update their products quickly.

### Primary source

Research collected first-hand by a designer to develop a product or idea.

### Primary source (of materials)

Where materials originate (polymers from oil etc.) and the raw material that needs to be converted into a workable form.



### Product

Item or artefact developed for an intended audience to solve a problem or meet a need.

### Prototype

An early model or sample of a product used to test a concept.

### Schematic diagram

Graphic symbols or simplistic diagrams used to convey a system (e.g.. an underground map).

### Social footprint

The impact a product or individual has on society.

### Social responsibility

The idea that a designer needs to evaluate the impact their product could have on society and take action to make this better.

### Stock form

The standard shape and size of materials as they are bought.

### Technology push

Technological discoveries used to drive the development of a product.

### Tolerance

The minimum and maximum measurements that can be accepted when manufacturing.

### User

The person/people who make use of the product that has been developed by a designer.

### User centred design

Design development with the user at the centre of the focus. The designer tries to envisage how the product will actually be used, as opposed to focusing on other areas such as cost.

### Working properties

How a material reacts to external forces.



# Drama

★ <b>Atmosphere</b>	The tone or feeling of the play, often created by the music, setting, or lighting.
<b>Body Language</b>	Communication without speaking by movement or position.
★ <b>Cannon</b>	The performers perform the same movement separately in repetition.
<b>Centre Stage</b>	The middle of the stage.
<b>Cross-Cutting</b>	A drama technique borrowed from the world of film editing. Moving from one scene to another when using a split-screen.
<b>Devise</b>	Create a performance, usually based on a stimulus.
<b>Director</b>	A person who leads a company of performers in creating and rehearsing a performance.
<b>Downstage</b>	From an audience's perspective towards the front of the stage (left, right, centre).
★ <b>Ensemble</b>	A group of performers who perform on stage together.
<b>Facial Expression</b>	Look on face which shows emotions.
<b>Flash forward</b>	A scene which take place seconds, minutes, days or years later or after a dramatic moment.
<b>Flashback</b>	A scene which take place seconds, minutes, days or years before or after a dramatic moment.
★ <b>Genre</b>	Categories of Drama such as Comedy, Tragedy and Gothic Horror.
<b>Gesture</b>	Any movement of a performers head, shoulder, arm, hand, leg, or foot to convey meaning.
<b>Hot Seating</b>	A character is questioned by the group about his or her background, behaviour and motivation.
<b>Marking the Moment</b>	A dramatic technique used to highlight a key moment in a scene or improvisation.
<b>Mime</b>	The use of detailed movement without speaking.
<b>Narration</b>	A technique whereby one or more performers speak directly to the audience to tell a story, give information or comment on the action of the scene or the motivations of characters.
<b>Naturalism</b>	A style of drama which is as close to real life as possible.
★ <b>Pace</b>	The rate of speed of which a performer moves or speaks.
<b>Physical Theatre</b>	A performer uses their body to create objects and shapes.
<b>Pitch</b>	The particular level (high or low) of a voice, instrument or tune.
<b>Proxemics</b>	The positioning of a performer on stage that shows the feelings and relationships between two or more characters.
<b>Role Play</b>	The ability to suspend disbelief by stepping into another character's shoes.
<b>Soundscape</b>	Used to create the atmosphere of a scene through sound only, usually provided by the actor's themselves.
<b>Split-Screen</b>	Two or more scenes are performed in different parts of the stage at the same time.
<b>Stage Directions</b>	Part of the script of a play that tells the performers how they are to move or speak their lines.
<b>Still Image</b>	Groups devise an image using their own bodies to create a frozen moment in time of characters or objects.
★ <b>Stimuli</b>	Something that gives you an idea – an inspiration, a starting point. It is the beginning of the creative process.
<b>Suspension of Disbelief</b>	A performer uses their imagination to believe something that is not real.
★ <b>Tension</b>	A growing sense of expectation within a drama, a feeling that the story is building up towards something exciting happening.
<b>Thought Track</b>	A performer reveals the private thoughts and reactions of the character that they are playing in a specific moment of time.
★ <b>Tone</b>	A performer uses their voice to show their characters emotion such as angry, happy or sad.
★ <b>Unison</b>	The performers perform the same movement at exactly the same time.
<b>Upstage</b>	From an audience's perspective towards the back of the stage (left, right, centre).
★ <b>Volume</b>	How loud or quiet a performer's voice is.

★	<b>English</b>	
★	<b>Adjective</b>	A word naming an attribute of a noun, such as sweet, red, or technical.
★	<b>Adverb</b>	A word or phrase that modifies or qualifies an adjective, verb, or other adverb or a word group, expressing a relation of place, time, circumstance, manner, cause, degree, etc.. (e.g., gently, quite, then, there).
	<b>Alliteration</b>	The occurrence of the same letter or sound at the beginning of adjacent or closely connected words.
	<b>Anaphora</b>	The use of a word referring back to a word used earlier in a text or conversation, to avoid repetition. For example, 'I like it and so do they'.
	<b>Anecdote</b>	A short amusing or interesting story about a real incident or person.
	<b>Antagonist</b>	A person who actively opposes or is hostile to someone or something; an adversary.
	<b>Anti-climax</b>	A disappointing end to an exciting or impressive series of events.
	<b>Antonym</b>	Two words that are opposites of each other. E.g. 'big' & 'small'.
	<b>Assonance</b>	Resemblance of sound between syllables of nearby words, arising particularly from the rhyming of two or more stressed vowels, but not consonants.
	<b>Blank verse</b>	A verse without rhyme, especially that which uses iambic pentameters.
	<b>Caesura</b>	A pause near the middle of a line usually made by punctuation.
★	<b>Character</b>	A person in a novel, play, or film.
★	<b>Chronological structure</b>	Is the order in which things occurred.
	<b>Colloquial</b>	Used in ordinary or familiar conversation; not formal or literary.
	<b>Concluding</b>	Bring or come to an end.
	<b>Conjunction</b>	Links two words or phrases together.
	<b>Consonant</b>	A sound which is produced when the speaker closes off or obstructs the flow of air through the vocal tract, usually using lips, tongue or teeth.
	<b>Couplet</b>	A pair of successive lines of verse, typically rhyming and of the same length.
★	<b>Denouement</b>	The final part of a play, film, or narrative in which the strands of the plot are drawn together and matters are explained or resolved.
	<b>Determiner</b>	Specifies a noun as known or unknown and it goes before any modifiers. E.g. 'the', 'a', 'an', 'this', 'those' etc.
	<b>Developing</b>	When a story becomes more complex, advanced, or elaborate.
	<b>Dialogue</b>	A conversation between two or more people as a feature of a book, play, or film.
	<b>Dramatic irony</b>	A literary technique by which the full significance of a character's words or actions is clear to the audience or reader although unknown to the character.
	<b>Ellipsis</b>	A series of dots that usually indicates an intentional omission of a word, sentence, or whole section from a text without altering its original meaning.
	<b>Emotive language</b>	When certain word choices are made to evoke an emotional response.
	<b>End stopped lines</b>	A line in verse which ends with punctuation, either to show the completion of a phrase or sentence.
	<b>Enjambment</b>	The continuation of a sentence without a pause beyond the end of a line, couplet, or stanza.
	<b>Etymology</b>	A word's history.
	<b>Exaggeration</b>	A statement that represents something as better or worse than it really is.
	<b>Extended metaphor</b>	An author's exploitation of a single metaphor or analogy at length throughout a poem or story.
★	<b>Facts</b>	Things that are known or proved to be true.
★	<b>First person narrative</b>	A type of narrative in which the protagonist relates their story using the first person, i.e.. using the pronoun 'I'.
	<b>Flash forward</b>	A scene that temporarily takes the narrative forward in time from the current point of the story in literature, film, television and other media.
	<b>Flashback</b>	A scene that temporarily takes the narrative backward in time from the current point of the story in literature, film, television and other media.
	<b>Foreshadowing</b>	A technique used by a writer to give an advance hint of what is to come later in the story.
	<b>Free verse</b>	Poetry that is free from limitations of regular meter or rhythm, and does not rhyme with fixed forms.
	<b>Homonym</b>	Words that look exactly the same when written and sound exactly the same when pronounced. E.g. 'Has he left yet? Yes, he went through the door on the left.'.
★	<b>Homophone</b>	Words that sound exactly the same when pronounced. E.g. 'Hear' & 'Here'.
★	<b>Hyperbole</b>	Exaggerated statements or claims not meant to be taken literally.
★	<b>Iambic pentameter</b>	A line of verse with five metrical feet, each consisting of one short (or unstressed) syllable followed by one long (or stressed) syllable, for example Two households, both alike in dignity.



## English continued.

**Imagery**

Visually descriptive or figurative language, especially in a literary work.

**Juxtaposition**

Two things being seen or placed close together with contrasting effect.

**Metaphor**

A figure of speech in which a word or phrase is applied to an object or action to which it is not literally applicable.

**Modal verb**

Used to change the meaning of other verbs. Can express meanings such as certainty, ability or obligation. E.g. will, would, can, could, may, might, shall, should, must, ought.

**Monosyllabic**

Consisting of one syllable.

**Motif**

A recurrent image, idea, or symbol that develops or explains a theme, while a theme is a central idea or message.

**Negative**

Not desirable or optimistic.

**Noun**

Used to identify any of a class of people, places, or things (common noun), or to name a particular one of these (proper noun).

**Omniscient**

Knowing everything. E.g. a third-person omniscient narrator.

**Onomatopoeia**

The process of creating a word that phonetically imitates, resembles, or suggests the sound that it describes.

**Opinions**

View or judgement formed about something, not necessarily based on fact or knowledge.

**Oxymoron**

A figure of speech in which apparently contradictory terms appear in conjunction.

**Pathetic fallacy**

A literary term for the giving of human emotion and behaviour to things found in nature that are not human.

**Personification**

The attribution of human characteristics to something non-human.

**Plosive sounds**

Are consonant sounds that are formed by completely stopping airflow.

**Positive**

Desirable and optimistic.

**Preposition**

A word governing, and usually preceding, a noun or pronoun and expressing a relation to another word or element in the clause, as in 'the man on the platform'.

**Pronoun**

A word that can function as a noun phrase used by itself and that refers either to the participants in the discourse (e.g.. I, you) or to someone or something mentioned elsewhere in the discourse (e.g.. she, it, this).

**Protagonist**

The leading character or one of the major characters in a play, film, novel, etc.

**Repetition**

The action of repeating something that has already been said or written.

**Rhetorical question**

A question asked in order to create a dramatic effect or to make a point rather than to get an answer.

**Second person narrative**

A type of narrative in which the protagonist relates their story using the second person, i.e.. using the pronoun 'you'.

**Semantic field**

A set of words grouped semantically that refers to a specific subject.

**Setting**

The place or type of surroundings where something is positioned or where an event takes place.

**Sibilance**

A literary device where strongly stressed consonants are created deliberately by producing air from vocal tracts through the use of lips and tongue. Such consonants produce hissing sounds. Most of the times, the "s" sound is the sibilant.

**Simile**

A figure of speech involving the comparison of one thing with another thing of a different kind, used to make a description more emphatic or vivid (e.g.. as brave as a lion).

**Statistics**

The use of numerical data to support an argument or claim.

**Stress**

When a syllable is pronounced more forcefully than the syllables next to it.

**Subordinate clause**

A clause which is subordinate to some other part of the same sentence. E.g. 'The man, dressed all in black, walked slowly down the road.'

**Superlative**

Expressing the highest or a very high degree of a quality (e.g.. bravest).

**Syllable**

A beat in a word. Consist of one vowel and possibly one or more consonants.

**Symbolism**

The use of language linked to specific symbols to represent ideas or qualities.

**Synonym**

Two words that have the same or similar meanings. In contrast to 'antonym'.

**Syntax**

The arrangement of words and phrases to create well-formed sentences in a language.

**Theme**

An idea that recurs in literature.

**Third person narrative**

A type of narrative in which the protagonist relates their story using the third person, i.e.. using the pronoun 'He/She/It/They'.

**Tone**

The general character or attitude of a piece of writing.

**Verb**

A word used to describe an action, state, or occurrence, and forming the main part of the predicate of a sentence, such as hear, become, happen.

**Volta**

In a sonnet, the Volta is the turn of thought or argument. In Petrarchan or Italian sonnets, it occurs between the octave and the sestet, and in Shakespearean or English before the final couplet.

**Vowel**

A speech sound which is produced without any closure or obstruction of the vocal tract. E.g. 'a', 'e', 'i', 'o', 'u'.

# Geography

## ★ Adaptation

The action of changing to survive in a natural environment or to environmental changes.

## Altitude

The height of an object in relation to sea level.

## ★ Atmosphere

The gases (air) that surround the earth.

## Biodiversity

The variety of life in the world or a particular ecosystem.

## Climate change

The long-term change in the Earth's climate.

## Coastal management

Human action taken to control natural process along coastal areas.

## Deposition

Occurs when material being transported by sea or rivers due to the flows losing energy.

## Desertification

The process by which land becomes drier and degraded as a result of climate change or human activities or both.

## Dereliction

Abandoned buildings and wasteland.

## Earthquake

A sudden or violent movement within the Earth's crust followed by a series of shocks.

## Ecosystem

A community of plants and animals that interact with one each other and their physical environment.

## Emigration

The process of someone leaving a particular place or country.

## Erosion

Wearing away and removal of material by moving force such as a wave.

## ★ Fairtrade

Producers in LICs being given a fair price for the good they produce.

## Greenhouse effect

The process of additional carbon dioxide (CO<sub>2</sub>) in the atmosphere trapping the sun's warmth and warming the planet.

## Gross Domestic Product (GDP)

The total goods and services produced in an economy.

## Gross National Income (GNI)

Measurement of economic activity calculated by dividing the gross (total) national income by the size of the population.

## Immigrant

The process someone coming into a particular place or country.

## High Income Country (HIC)

A country with a GNI per capita higher than \$12,476 (world bank 2013).

## ★ Infant mortality rate

Number of babies that die under the age of one Per 1000 live births.

## ★ Infrastructure

The basic equipment and structure (such as road, rail and sewage) that are needed for a country to function properly.

## Longshore drift

The transportation of sediment along a stretch of coastline caused by waves approaching the beach at an angle.

## Low Income Country (LIC)

A country with a GNI per Capita of less than \$1045 (world bank 2013).

## Newly Emerging Economy (NEE)

Countries that have begun to experience high rates of economic development usually along with rapid industrialisation.

## Pollution

Chemicals, noise, dirt and other substance which have harmful or poisonous effects on an environment.

## Population density

The number of people found within a given area of unit measurement.

## Quality of life

The standard of health, comfort, and happiness experienced by an individual or group.

## ★ Refugee

A person who has been forced to leave their country in order to escape war, persecution, or natural disaster.

## Regeneration

The action or process of regenerating or being regenerated (improving an area).

## Renewable energy

A resource that cannot be exhausted i.e. wind; solar; tidal energy.

## Rural to urban Migration

The movement of people from the countryside into the city.

## Squatter settlement

An area of (often illegal) poor quality housing, lacking in services like water supply, sewage and electricity.

## Sustainability

Actions that meet the needs of the present without reducing the ability of future generations to meet their needs.

## Tourism

The commercial organisation and operation of holidays and visits to places of interest.

## Transportation

The movement of eroded material.

## Tropical Rainforest

A forest with high rate of precipitation and high humidity, usually located near the equator.

## Tsunami

A large wave of water that is usually associated with a Geological hazard.

## Urban sprawl

Unplanned growth of urban areas into the surrounding rural area.

## Urbanisation

When an increasing percentage of a country's population live in towns and cities.

## Volcano

An opening in the Earth's crust from which lava, ash and gases erupt.

# History

Allies

Countries who fight together to defeat an enemy.

★ Analysis

To study a piece of writing in a critical way, always produce two sides to an argument.

Belligerent

To attack in an aggressive manner.

Blitz

The bombing of London during WW2 1940-1942.

★ Cause/consequence

What caused something to happen and what were the consequences.

Cavalry

Soldiers who fight on horseback during battles.

Cold war

Period after WW2 1945-1991.

★ Context

To study a period of history, and state what happened before this event, during and afterwards.

★ Continuity/change

When studying a period of history, examine what has stayed the same and what has changed.

Cultural

Link what you are studying to its consequences.

Deception

Tactics used in warfare to trick the side you are fighting.

★ Democracy

A country where people can vote by choice for their leader.

Dictator

To rule over a country in an unfair manner.

Dragoon

A soldier who uses a horse to get to a battle but then gets off horse to fight.

Economical

Link what you are studying to its economic consequences.

Empire

One major country that rules over many others.

Geographical

Link the theme you are studying to the wider affects globally.

Historiography

The study of the writing of history.

Holocaust

The systematic killing of 6 million Jews by the Nazis during WW2.

Infantry

Soldiers who fight on foot during battles.

Interpretation

How you interpret what someone in history has written or said.

★ Judgement

When answering a question to explain the reasons why you came to this answer.

★ Metacognition

Thinking why people think what they think.

Militarism

Think what you are studying to its militaristic consequences.

Militia

A band of men or women who fight but who are civilians not trained soldiers.

★ Narrative

To write a story about history without the need of analysis.

Nationalism

To be proud of and fight for your country.

Political

Link what you are studying to its political consequences.

Regicide

A person that takes part in the killing of a king.

★ Religion

Link what you are studying to its religious consequences.

Revolution

People who rise up against the government of the country they live in.

Shield wall

Shield inter locked during a battle so they cannot be broken.

Social

Link what you are studying to its consequences on society.

Sun Tzu

Author of most famous warfare book, THE ART OF WAR.

The Armada

Battle in 1588 when England defeated the Spanish.

The Somme

Biggest lost of British soldiers in one day = 20 000 dead.

Usurper

A person who takes a position of power by force.

Victorian period

1837-1901 the period when Queen Victoria ruled over England.

Weimar Republic

Government in Germany 1919-1933.

★	ICT	Sets out a sequence of steps, that, when executed, will carry out a specific task.
★	Algorithm	A digital coding system which uses two values to represent data, 0 and 1.
★	Binary	A file format for digital images which is made up of a large number of dots or pixels which look like a picture as long as you are sitting a reasonable distance away from the screen.
	Bitmap	Computer storage space is measured in bytes.
	Byte	A device that is able to take in data - called an input. It then acts upon that data - called processing, the result of which is the output of the machine.
	Computer	The ability of a software application or piece of equipment to connect to another application or piece of equipment (e.g. computers).
	Connect/connection	A movable indicator on a computer screen identifying the point that will be affected by input from the user.
	Cursor	Having only discrete values, as opposed to analogue which has continuously changing values.
	Digital	An information storage device for a computer in the shape of a round flat plate which can be rotated to give access to all parts of the surface. The data may be stored either magnetically (in a <i>magnetic disk</i> ) or optically (in an <i>optical disk</i> such as a CD-ROM).
	Disk	A document is an item that contains information, usually text and / or images.
	Documents	A picture or an image stored in electronic format.
	Graphic	Hardware is used to describe the physical parts of the computer which you can touch.
	Hardware	Examples include monitors, keyboards, printers, hard disk, wiring, CPU etc.
★	Icon	An Icon is a computer graphic, usually a small picture which is used to represent a file or application stored on your computer system.
★	Input	Input is the process of entering data into a computer system for example a spreadsheet or database.
★	Interface	An interface is a method, either hardware or software, which connects different parts of a computer or network so that data communication can take place.
★	Internet	The Internet (or "The Net") is a computer network that connects computers worldwide.
★	Justify	Adding extra spaces to text to align the edges so that the lines begin and / or end at the same place on a page.
	Megabyte	A Megabyte is a measure of computer memory or storage. It is generally thought of as one million bytes or 1,000 kilobytes.
★	Memory	Memory stores the files that you are working on right now and also modules from the applications that you are using or have open. These are stored in RAM (Random Access Memory). This data is usually lost if the computer crashes or is switched off.
	Modem	A Modem is a device used to convert digital data to analogue data in order to transmit it over the telephone network (Modulation).
	Module	A set of standardized parts or independent units that can be used to construct a more complex structure.
★	Monitor	A monitor is an output device similar to a television screen. It receives signals from the computer and displays that information for the user to view.
	Multimedia	Multimedia is where there is a combination of various types of media including sound, graphics, animation, video and text.
	Network	A network describes a collection of parts joined together by links of some kind. A network is as basic as two computers being connected together.
★	Output	The end product of the information handling process.
	Password	A password is the second part of the log-on security. It identifies the person to whom the User ID belongs. It must be kept a secret.
	Preview	A facility for inspecting the appearance of a document before it is printed.
	Processor	The processor is the part of the computer which processes or deals with the data and processes in the system.
	Program	A program is a set of instructions that enable the computer hardware to perform a task.
	Programming	The process of writing computer programs.
	Scanner	Scanners, or computer scanners are used to transfer images or text from paper into a digital format that the computer can use.
★	Software	All computers need a set of instructions to follow in order to run or even boot up. These instructions are called "software code" or just "software" for short.
★	Spreadsheet	A spreadsheet is a piece of software which is used to carry out calculations.
★	Virus	A computer virus is a piece of program code that, like a biological virus, makes copies of itself by attaching itself to another program. The virus can waste the host's resources, and sometimes destroy or change files.

# Maths

<b>Change the subject</b>	To rewrite a formula so that a different letter is isolated.
<b>Circumference</b>	The curved line around a circle.
<b>Coefficient</b>	The number in front of a letter e.g.. $5x$ .
<b>Congruent</b>	Shapes which are identical in shape and size.
<b>Denominator</b>	The value at the bottom of a fraction.
<b>Diameter</b>	A line from one side of a circle to the other through the centre.
<b>Estimate</b>	To calculate approximately or making an educated guess.
★ <b>Expand</b>	To multiply out brackets e.g.. $2(3x + 5) = 6x + 15$ .
★ <b>Expression</b>	A collection of letters and numbers e.g.. $2x+5$ , $xy-7x$ .
<b>Factor</b>	A whole number that you can divide by with no remainder left over.
<b>Factorise</b>	To find something in common and place outside a bracket e.g.. $12x + 8xy = 4x(3 + 2y)$ .
★ <b>Frequency</b>	The number of times a value appears in a set of data.
<b>HCF</b>	Highest common factor – the largest number that is a factor of all the numbers given.
★ <b>Identity</b>	Exactly the same – a statement which is true for all values.
<b>Improper</b>	A fraction where the numerator is larger than the denominator.
<b>Integer</b>	A whole number.
★ <b>Irregular</b>	A 2D shape where the sides and angles are not all the same.
<b>LCM</b>	Lowest common multiple – the smallest multiple in common of all the numbers given.
<b>Mean</b>	A type of average found by adding the data then dividing by how many numbers there are.
<b>Median</b>	The middle value from an ordered list .
<b>Mixed number</b>	A whole number and a fraction e.g. 3 and four fifths.
<b>Mode</b>	The value that occurs the most.
<b>Multiple</b>	A number in its times table e.g.. 25 is a multiple of 5.
<b>Outcomes</b>	A list of all the possibilities.
<b>Parallel</b>	Two straight lines that are equal distance from each other (like train tracks).
<b>Perpendicular</b>	Two lines meeting at a 90 degree angle.
<b>Polygon</b>	A 2D shape made up of straight lines.
<b>Prime</b>	A number with exactly two factors, 2,3,5,7,11...
<b>Quadratic equation</b>	An equation with $x^2$ term as the highest power e.g.. $x^2+4x-4=0$ .
<b>Radius</b>	A line joining the centre of a circle to the edge.
<b>Range</b>	The biggest value – the smallest value, a measure of dispersion or spread.
★ <b>Regular</b>	A shape were all sides and angles are the same size.
<b>Significant figure</b>	The first non-zero digit.
<b>Similar</b>	Two shapes are similar if they have identical angles.
<b>Simplify</b>	To write an expression in a simpler way e.g.. $2x + 4x = 6x$ .
<b>Substitute</b>	To replace a letter with a value.
<b>Term</b>	A single part of an expression or equation i.e.. $3x$ , $7y$ .
<b>Unit fraction</b>	A fraction with a numerator of 1.
<b>Variable</b>	A symbol or letter that can take any value from a given range e.g.. $h$ (height) or $t$ (time).
★ <b>Volume</b>	The amount of space a 3D solid takes up.

# Media Studies

<b>Action Code</b>	Something that happens in the narrative that tells the audience that some action will follow.
<b>Active Audience</b>	Audiences who actively engage in selecting media products to consume and interpret their meanings.
<b>Anchorage</b>	The words that accompany an image (still or moving) give the meaning associated with that image.
★ <b>Appeal</b>	The way in which products attract and interest an audience.
★ <b>Attract</b>	How media producers appeal to audiences to encourage them to consume the product.
★ <b>Audience Categorisation</b>	How media producers group audiences (e.g. by age, gender, ethnicity) to target their products
★ <b>Brand Identity</b>	The association the audience make with the brand
★ <b>Broadsheet</b>	A larger newspaper that publishes more serious news, for example The Daily Telegraph has maintained its broadsheet format.
★ <b>Caption</b>	Words that accompany an image that explain its meaning.
★ <b>Circulation</b>	The dissemination of media products.
★ <b>Colloquial Language</b>	This is conversational language where the words used are different from and less formal than those in written speech.
★ <b>Connotation</b>	The suggested meanings attached to a sign, e.g., the red car in the advert suggests speed and power.
★ <b>Conventions</b>	What the audience expects to see in a particular media text.
★ <b>Convergence</b>	The coming together of previously separate media industries and/or platforms; often the result of advances in technology whereby one device or platform contains a range of different features.
<b>Cover Lines</b>	These suggest the content to the reader and often contain teasers and rhetorical questions.
<b>Cross-Platform Marketing</b>	In media terms, a text that is distributed and exhibited across a range of media formats or platforms.
<b>Demographic Category</b>	A group in which consumers are placed according to their age, sex, income, profession, etc.
<b>Denotation</b>	The description of what you can see/hear in a media text, e.g. the car in the advert is red.
<b>Diegetic Sound</b>	Sound that comes from the fictional world and can be seen.
<b>Diversification</b>	Where media organisations who have specialised in producing media products in one form move into producing content across a range of forms.
<b>Encoding and Decoding</b>	Media producers encode messages and meanings in products that are decoded, or interpreted, by audiences
<b>Enigma Code</b>	A narrative device which increases tension and audience interest by only releasing bits of information, for example teasers in a film trailer.
<b>Equilibrium</b>	In relation to narrative, a state of balance or stability.
<b>Feature</b>	In magazine terms, the main, or one of the main, stories in an edition.
★ <b>Franchise</b>	An entire series of, for example, a film including the original film and all those that follow.
★ <b>Gatekeepers</b>	The people responsible for deciding the most appropriate stories to appear in newspapers.
★ <b>Genre</b>	Media texts can be grouped into genres that all share similar conventions.
<b>Global</b>	Worldwide - e.g. a media product with global reach is a product that is distributed around the world.
<b>House Style</b>	What makes the magazine recognisable to its readers every issue.
★ <b>Iconography</b>	The props, costumes, objects and backgrounds associated with a particular genre.
★ <b>Intellectual Property</b>	A legal concept which refers to creations of the mind for which the owner's rights are recognised.
<b>Linear Narrative</b>	Where the narrative unfolds in chronological order from beginning to end.
★ <b>Mainstream</b>	These are media products that are the most popular at the time and tend to be the most conventional.
<b>Mediation</b>	The way in which a media text is constructed in order to represent the producer of the text's version of reality.
<b>Mise-en-Scene</b>	In analysis of moving image products, how the combination of images in the frame creates meaning.
<b>Narrative</b>	The 'story' that is told by the media text. All media texts, not just fictional texts, have a narrative.
<b>Non-Diegetic Sound</b>	Sound that is out of the shot, for example a voiceover or romantic mood music.
★ <b>Persona</b>	The image or personality that someone, for example a celebrity, presents to the audience.
★ <b>Realism</b>	A style of presentation that claims to portray 'real life' accurately and authentically.
★ <b>Stereotype</b>	An exaggerated representation of someone or something.



# MFL



**Accent**

Punctuation on letters which changes their sound or meaning.

**Adjective**

A word that describes a noun or pronoun.

**Adjective agreement**

Changing the ending of an adjective agreement to make it agree with the noun it describes.

**Adverb**

A word that describes or gives more information about a verb, adjective, adverb, or phrase.

**Article**

Any of the English words "a", "an", and "the", or words in other languages that do the same job as these.

**Auxiliary verb**

A verb that gives grammatical information that is not given by the main verb of a sentence.

**Clause**

A group of words, consisting of a subject and a finite form of a verb.

**Compound tense**

Tense made up of an auxiliary verb and a past or present participle.

**Conditional clause**

(relating to) a sentence, often starting with "if" or "unless", in which one half expresses something which depends on the other half.

**Conditional tense**

(a form of a verb) expressing the idea that one thing depends on another thing.

**Conjugate**

If a verb conjugates, it has different forms that show different tenses, the number of people it refers to, etc., and if you conjugate a verb, you list its different forms.

**Conjunction**

A word such as 'and', 'but', 'while', or 'although' that connects words, phrases, and clauses in a sentence.

**Definite article**

The word "the" in English, or the words in other languages that have a similar use.

**Dictation**

Exercise involving writing down exactly what you hear.

**Grammatical gender**

The grammatical arrangement of nouns, pronouns and adjectives into masculine, feminine, and neuter types in some languages.

**Imperfect tense**

The imperfect form of a verb describes an action in the past that was continuous or was not completed.

**Indefinite article**

The words "a" and "an" in English, or words in other languages that have a similar use.

**Infinitive**

The basic form of a verb that usually follows "to".

**Interpret**

To change spoken words in one language to another.

**Model verb**

A verb used with another verb to express an idea such as possibility that is not expressed by the main verb.



**Noun**

A word (other than a pronoun) used to identify any of a class of people, places, or things ( common noun ), or to name a particular one of these ( proper noun ).



**Object**

A noun or noun phrase that is affected by the action of a verb or that follows a preposition.

**Passive**

The passive form of a verb is being used when the grammatical subject is the person or thing that experiences the effect of an action, rather than the person or thing that causes the effect.

**Past participle**

The form of a verb, usually made by adding -ed, used in some grammatical structures such as the passive and the present perfect.

**Perfect tense**

The tense of a verb that shows action that has happened in the past or before another time or event.

**Pluperfect tense**

The grammatical tense used to describe an action that had already finished when another action happened. It is made with "had" and a past participle.

**Plural**

More than one.

**Prefix**

A letter or group of letters added to the beginning of a word to make a new word.

**Present participle**

A form of a verb that in English ends in -ing and comes after another verb to show continuous action. It is used to form the present continuous.



**Pronoun**

A word that is used instead of a noun or a noun phrase.



**Quantifier**

A word or phrase that is used before a noun to show the amount of it that is being considered.

**Sentence**

A group of words, usually containing a verb, that expresses a thought in the form of a statement, question, instruction, or exclamation and starts with a capital letter when written.

**Singular**

One (or uncountable).



**Subject**

The person or thing that performs the action of a verb, or is joined to a description by a verb.

**Subjunctive**

In some languages, a verb form that refers to actions that are possibilities rather than facts.

**Subordinate clause**

A clause that cannot form a sentence on its own but can be joined to a main clause to form a sentence.

**Suffix**

A letter or group of letters added at the end of a word to make a new word.



**Tense**

Any of the forms of a verb which show the time at which an action happened.

**Translate**

To change written words in one language to another.



**Verb**

A word or phrase that describes an action, condition, or experience.

# Music

<b>Accompaniment</b>	The supporting musical lines beneath a melody.
<b>Binary Form</b>	AB - Two contrasting sections.
<b>Brass</b>	A family of instruments in which air is blown into a sound hole e.g. trumpet.
<b>Call and Response</b>	Question and answer between two musicians.
<b>Choir (SATB)</b>	Soprano, Alto, Tenor, Bass - the sections of voices in a choir from high to low.
<b>Chord</b>	A cluster of multiple notes played at once.
<b>Chromatic</b>	Using all 12 notes; not sticking to a key centre.
<b>Clef</b>	A symbol on a stave that defines the pitch range e.g. treble clef.
★ <b>Compose</b>	To write music.
<b>Context</b>	To understand the history, people and venue in which music was written and performed in.
<b>Crotchet</b>	A quarter-note, usually four per bar.
<b>Cymbal</b>	A metallic percussion instrument (commonly misspelled).
<b>Dynamics</b>	Loud and soft.
★ <b>Harmony</b>	Complimentary notes played or sung alongside a melody.
<b>Imitation</b>	One musical part directly copies another.
★ <b>Improvisation</b>	To make up a performance on the spot.
<b>Interval</b>	The distance between two notes.
<b>Melody</b>	The tune of a piece of music.
<b>MIDI</b>	Musical Instrument Digital Interface.
<b>Octave</b>	To play the same note (e.g.. C or D) at a higher or lower pitch; all of which will sound in tune and resonate with the tonal centre.
<b>Orchestra</b>	A group of instruments found in Western Classical music.
<b>Ostinato</b>	A repeating pattern.
<b>Pentatonic</b>	A scale made up of 5 notes - a basis for many styles of World and Popular music.
<b>Percussion</b>	A family of instruments which produce sound by being hit or struck e.g. drum.
★ <b>Pitch</b>	A musical term for measuring the frequency of a sound (high or low) - similar to using kHz in Physics.
<b>Quantise</b>	To correct the timings of a played in part using MIDI sequencing.
★ <b>Rhythm</b>	The order of note duration over a pulse.
★ <b>Scale</b>	Ascending or descending pitch in steps.
<b>Sequencing</b>	Arranging musical parts and layers in software such as Logic Pro X.
<b>Stave</b>	The five line on which music is written.
<b>Strings</b>	A family of instruments in which strings are plucked or bowed e.g. violin.
★ <b>Structure</b>	The sections within a piece over time (e.g.. verse/chorus) similar to chapters within a book.
<b>Syncopation</b>	An off-beat rhythm; gives music a sense of groove.
★ <b>Tempo</b>	The speed of a piece of music.
<b>Ternary Form</b>	ABA - similar to binary form only the A section returns.
<b>Timbre</b>	The tone quality of a sound described using adjectives e.g. metallic or hollow.
<b>Tonality</b>	The key signature of a piece (major, minor or atonal).
<b>Triad</b>	A basic chord made up of three notes.
★ <b>Unison</b>	Multiple musicians/instruments playing the same part at once.
<b>Woodwind</b>	A musical family in which reeds or sound holes are blown over e.g.. flute or clarinet.

# Physical Education

## Aerobic work

Working at a moderate intensity so that the body has time to utilise oxygen for energy production allowing the body to work for a continuous period, e.g.. long-distance events, for the duration of a match.

## Agility

Ability to change the position of the body quickly and to control the movement of the whole body.

## Anaerobic work

Working at a high intensity without oxygen for energy production, therefore limited energy so work period will be short, e.g.. sprinting up the wing in a football match.

## Antagonistic muscle pairs

Pairs of muscles that work together to bring about movement. As one muscle contracts (agonist) the other relaxes (antagonist). For example, the biceps and triceps. The triceps relax to allow the biceps to contract to flex the arm at the elbow. Roles are reversed to extend the arm at the elbow.



## Balance

The ability to retain the centre of mass of the body above the base of support (with reference to static, or dynamic conditions of movement, shape or orientation).

## Body Composition

The percentage of the body weight that is fat, muscle and bone.

## Cardiovascular Fitness

The ability to exercise the entire body for a long period of time.

## Circuit Training

A number of exercise stations arranged to avoid exercising the same muscle group consecutively.



## Continuous Training

Training at a low to medium intensity for at least 20 minutes with no rest periods.

## Coordination

Ability to use two or more body parts together.

## Cross Training

A mixture of different training methods throughout a training programme.

## Energy balance

This is the basis of weight control. For body weight to remain constant energy input (via food) must equal energy expenditure.

## Exercise

Any form of physical activity which maintains or improves health and/or fitness.

## Fartlek Training

Exercising at different speeds and intensities and over different terrain.

## Fitness

Ability to meet the demands of the environment.

## FITT

Frequency Intensity Time Type.

## Flexibility

The range of movement possible in a joint.

## Gamesmanship

Bending the rules/laws of a sport without actually breaking them.

## Health

A state of complete mental, physical and social wellbeing and not merely the absence of disease and infirmity.

## Individual needs

matching the training to the requirements of the individual.

## Interval Training

Short bursts of high intensity exercise followed by defined periods of rest.

## Lactic acid

A by-product of energy production. Formed when the body is exercising anaerobically at high intensity.

## Macronutrient

A type of food required in relatively large amounts in the diet, e.g.. carbohydrates and fats.

## Micronutrient

A type of food required in relatively small quantities in the diet, f vitamins and minerals.

## Muscle fibre types

Muscle fibres make up the skeletal muscle. The different fibre types are type I, type IIa and type IIX.

## Muscular Endurance

The ability to use the voluntary muscles many times without getting tired.

## Muscular Strength

The amount of force a muscle can exert against a resistance.

## Optimum weight

Refers to the weight someone should be, on average, based on their sex, height, bone structure, and muscle girth.



## Performance

How well a task is completed.



## Power

Ability to undertake strength performances quickly.  $\text{Power} = \text{strength} \times \text{speed}$ .

## Progressive Overload

To gradually increase the amount of overload so that fitness gains occur, but without potential for injury.



## Reaction time

The time between the presentation of a stimulus and the onset of movement.

## Rest and Recovery

Rest is the period of time allotted to recovery, recovery is the time required for the repair of damage to the body caused by training or competition.

## Reversibility

Any adaptation that takes place as a consequence of training will be reversed when you stop training.

## Smart

Specific, measurable, achievable, realistic, time bound goals.

## Specificity

Matching the training to the requirement of the activity.

## Speed

The rate an individual is able to perform movement or cover a distance in a period of time.

## Vasoconstriction

Narrowing of the internal diameter (lumen) of the blood vessel to decrease blood flow.

## Vasodilation

Widening of the internal diameter (lumen) of the blood vessel to allow increased blood flow.

## Weight Training

Using progressive resistance to lift a weight.

# Religious Studies

<b>Ascension</b>	Jesus ascends bodily into Heaven 40 days after the resurrection.
<b>Blasphemy</b>	A religious offence which includes claiming to be God.
<b>Celibacy</b>	Not having sexual relations.
<b>Civil war</b>	Armed conflict between factions within the same country.
<b>Cohabitation</b>	Where a couple live together without being married/in civil partnership.
<b>Crucifixion</b>	A Roman method of execution and the death of Jesus on the cross on Good Friday.
<b>Deterrence</b>	Aim of punishment to put a person off committing a crime by the level of punishment.
<b>Eucharist</b>	A service of thanksgiving in which the sacrificial death and resurrection of Jesus are celebrated, using bread and wine; also called Holy Communion, Mass, the Lord's Supper.
<b>Euthanasia</b>	Mercy killing; ending life for someone who is terminally ill, or has degenerative disease.
<b>Evangelism</b>	Spreading the Christian gospel.
<b>Ex nihilo</b>	The idea that God created the universe from nothing.
<b>Gender discrimination</b>	Acting on prejudices against someone because of their gender.
<b>Hajj</b>	Annual pilgrimage to Makkah that every Muslim should make once in their life.
<b>Holy war</b>	Rules around fighting a war acceptable to Islam.
<b>Immanent</b>	The idea that God is present and involved with life on earth and in the universe; a quality of God.
<b>Incarnation</b>	God made human. For Christians, Jesus was the Son of God in human form.
<b>Mihrab</b>	A niche in a wall that indicates the direction of Makkah.
<b>Monotheistic</b>	A religion that believes there is only one God.
<b>Omnipotent</b>	Almighty, having unlimited power.
<b>Pacifism</b>	Belief that all violence is wrong.
<b>Persecution</b>	Hostility and ill-treatment, especially because of race, or political or religious beliefs.
<b>Pilgrimage</b>	A journey by a believer to a holy site for religious reasons; an act of worship or devotion.
<b>Predestination</b>	The idea that God knows or determines everything that will happen in the universe.
<b>Procreation</b>	Having a child; seen as a duty in many religions.
<b>Ramadan</b>	The ninth month of the Muslim calendar, during which Muslims have to fast from dusk to sunset.
<b>Reconciliation</b>	A sacrament in the Catholic Church; also, the restoring of harmony after relationships have broken down.
<b>Reformation</b>	Aim of punishment; helping the criminal see how and why their behaviour was wrong, so that their mind-set changes for the better.
<b>Retribution</b>	Aim of punishment; getting the criminal back for their crimes.
<b>Sacraments</b>	Rituals through which the believers receives the Holy Spirit.
<b>Salah</b>	Prayer with and in worship of God, performed under conditions set by the prophet Muhammad.
<b>Salvation</b>	Being saved from sin through Jesus Christ.
<b>Sanctity of life</b>	Life is special and created by God.
<b>Shahadah</b>	Muslim declaration of faith.
<b>Tawhid</b>	The oneness and unity of God.
<b>Wudu</b>	Ritual washing before prayer.
<b>Zakah</b>	Purification of wealth by giving 2.5% of savings each year to the poor.

# Science: Biology

## Active transport

The movement of substance from an area of low concentration to an area of high concentration, requiring energy.

## ★ Adaptations

Special features that make an organism particularly well-suited to the environment where it lives.

## Alleles

Different forms of the same gene.

## Alveoli

Tiny air sacs in the lungs that increase the surface area for gaseous exchange.

## ★ Bacteria

Single-celled prokaryotic organisms.

## Biodiversity

A measure of the variety of all the different species of organisms in a given area.

## Carcinogen

Agents that can cause cancer or increase the risk of developing cancer.

## Cell membrane

The membrane around a cell that controls what comes in and out of a cell.

## Cell wall

The rigid structure around plant and algal cells to strengthen the cell.

## Central nervous system (CNS)

The part of the nervous system where information is processed (made up of the brain and spinal cord).

## Chlorophyll

The green pigment contained in chloroplasts.

## Chloroplasts

The organelle that is the site of photosynthesis.

## Classification

The organisation of living organisms into groups according to their similarities.

## Cloning

The production of identical offspring by asexual reproduction.

## Communicable disease

Diseases caused by pathogens and can be passed from one organism to another.

## Cytoplasm

The water-based gel in which the organelles of cells are suspended and the site of most chemical reactions in cells.

## Denatured

The breakdown of a molecule (change to the protein structure) so that it no longer functions.

## Diffusion

The movement of particles from an area of high concentration to an area of low concentration along a concentration gradient.

## Enzymes

Biological catalysts.

## Eukaryotic

Cells that have a cell membrane, cytoplasm and genetic material in a nucleus.

## Genetic engineering

The process by which scientists manipulate and change the genotype of an organism.

## Genotype

The genetic makeup of an individual for a particular characteristic.

## Homeostasis

The regulation of internal conditions to maintain optimum conditions for function.

## Hormones

Chemicals produced in one area of the body that have an effect on the functioning of another area of the body.

## Meiosis

Two stage process of cell division that reduced the number of chromosomes in the daughter cells to make gametes.

## Mitochondria

The site of aerobic respiration in cells.

## Mitosis

Part of the cell cycle where one set of new chromosomes are pulled to each end of the cell forming two identical nuclei.

## Non-communicable diseases

Diseases that are not infectious but inherited or a result of genetic mutation.

## ★ Nucleus

Organelle that contains the genetic information surrounded by a nuclear envelope.

## Osmosis

The movement of water from an area of high concentration to low concentration across a partially permeable membrane.

## Phenotype

The physical appearance of an individual for a particular characteristic.

## Photosynthesis

The process by which plants make food using carbon dioxide, water and light.

## Prokaryotic

Cells that contain a cytoplasm and cell membrane and a cell wall (without cellulose) where DNA is in a loop and not enclosed in a nucleus.

## Reproduction

The fusion of male and female gametes (sex cells) to produce genetic variation in offspring.

## Respiration

The process by which cells use oxygen to break down glucose to release carbon dioxide, water and energy for other chemical reactions in cells.

## Selective breeding

The artificial speeding up of natural selection by selecting and breeding organisms with the required characteristics.

## Stem cells

Undifferentiated.

## Transpiration

The loss of water vapour from the leaves of the plant through the stomata.

## Vaccine

A dead or inactive pathogenic material used to develop immunity to a disease in a healthy person.

## ★ Viruses

Pathogens that can only reproduce inside the living cells of other organisms.

## Science: Chemistry

<b>Activation energy</b>	The minimum energy needed for a reaction to take place.
<b>Alkali</b>	A soluble substance that neutralises an acid. Donates hydroxide ions (OH <sup>-</sup> ).
<b>Alkane</b>	A saturated hydrocarbon with a general formula of C <sub>n</sub> H <sub>2n+2</sub> .
<b>Alkene</b>	An unsaturated hydrocarbon with a general formula of C <sub>n</sub> H <sub>2n</sub> .
<b>Aqueous</b>	Dissolved in water.
★ <b>Catalyst</b>	A substance that increases the rate of reaction without being changed. It provides an alternative reaction pathway with a lower activation energy.
<b>Chromatography</b>	A separation technique used to separate colours based upon solubility.
<b>Collision theory</b>	A theory that states particles must collide with sufficient energy for a reaction to take place.
★ <b>Compound</b>	A substance made from two or more types of atom chemically bonded together.
<b>Covalent bond</b>	A bond formed between non-metal atoms that involves shared pairs of electrons.
<b>Displacement reaction</b>	A reaction in which a more reactive element replaces a less reactive element in a compound or solution.
<b>Electrolysis</b>	The breakdown of a substance containing ions using electricity.
<b>Electron</b>	Smallest subatomic particle with a negative charge and a negligible mass that orbits the nucleus.
<b>Endothermic</b>	A chemical reaction that takes in energy from the surroundings.
<b>Equilibrium</b>	The point in a reversible reaction where the forward and backward reactions occur at the same rate.
<b>Exothermic</b>	A chemical reaction that releases energy to the surroundings.
<b>Filtration</b>	A separation technique used to separate insoluble solids from a solution.
<b>Fractional distillation</b>	A separation technique used to separate liquids with different boiling points.
★ <b>Group</b>	A column in the periodic table.
<b>Hydrocarbon</b>	A substance made from hydrogen and carbon only.
<b>Indicator</b>	A chemical that changes colour to show the acidity of a substance. Examples include universal indicator, phenolphthalein, methyl orange, litmus paper.
<b>Intermolecular forces</b>	An attraction between molecules in a simple covalent substance.
<b>Ion</b>	A charged particle formed by the loss or gain of electrons.
<b>Ionic bond</b>	An electrostatic force of attraction between oppositely charged ions.
<b>Isotope</b>	Atoms of an element that have the same number of protons and different number of neutrons.
<b>Mass number</b>	The number of protons and neutrons in the nucleus of an atom.
★ <b>Mixture</b>	A combination of different types of elements or compounds not chemically bonded together.
<b>Neutralisation</b>	A chemical reaction between an acid and a base where a salt and water are formed.
<b>Neutron</b>	A subatomic particle that is neutral in charge and found in the nucleus of an atom.
<b>Ore</b>	A rock containing a metal.
<b>Oxidation</b>	A reaction involving the gain of oxygen or when electrons are lost.
<b>Polymer</b>	A long chain molecule made from small monomers.
★ <b>Precipitate</b>	An insoluble solid formed from two solutions reacting together.
★ <b>Product</b>	A substance made during a chemical reaction.
<b>Proton</b>	A subatomic particle with a positive charge found in the nucleus of the atom.
<b>Reactant</b>	A substance that starts a chemical reaction.
★ <b>Reduction</b>	A reaction where oxygen is lost or electrons are gained.
★ <b>Shell</b>	The pathway around the nucleus where electrons are found.
<b>Strong acid</b>	Acids that completely ionise in solution.
<b>Thermal decomposition</b>	The breakdown of one compound by heating.



# Science: Physics

**Acceleration**

Change of velocity per second (in metres per second per second, m/s).

**Amplitude**

The height of a wave crest or trough of a transverse wave from the rest position. For oscillating motion, the amplitude is the maximum distance moved by an oscillating object from its equilibrium position.

**Conservation of energy**

Energy cannot be created or destroyed.

**Conservation of momentum**

In a closed system, the total momentum before an event is equal to the total momentum after the event. Momentum is conserved in any collision or explosion, provided no external forces act on the objects that collide or explode.

**Current**

A flow of charge. The size of a current is the rate of flow of electric charge.

**Density**

Mass per unit volume of a substance.

**Dissipation of energy**

The energy that is not usefully transferred and stored in less useful ways.

**Efficiency**

Useful energy transferred by a device  $\div$  total energy supplied to the device.

**Electromagnetic induction**

The process of inducing a potential difference in a wire by moving the wire so it cuts across the lines of force of a magnetic field.

**Electromagnetic spectrum**

The continuous spectrum of electromagnetic waves.

**Force**

A force (in newtons, N) can change the motion of an object.

**Frequency**

The number of wave crests passing a fixed point every second.

**Friction**

The force opposing the relative motion of two solid surfaces in contact.

**Ionisation**

Any process in which atoms become charged.

**Latent heat**

The energy transferred to or from a substance when it changes its state.

**Longitudinal waves**

Waves in which the vibrations are parallel to the direction of energy transfer.

**Magnitude**

The size or amount of a physical quantity.

**Moment**

The turning effect of a force defined by the equation: moment of a force (in newton metres, Nm) = force (in newtons, N)  $\times$  perpendicular distance from the pivot to the line of action of the force (in metres, m).

**Nuclear fission**

The process in which certain nuclei (uranium-235 and plutonium-239) split into two fragments, releasing energy and two or three neutrons as a result.

**Nuclear fusion**

The process where small nuclei are forced together to fuse and form a larger nucleus.

**Ohm's law**

The current through a resistor at constant temperature is directly proportional to the potential difference across the resistor.

**Oscillate**

Move to and fro about a certain position along a line.

**Parallel**

Components connected in a circuit so that the potential difference is the same across each one.

**Potential difference**

A measure of the work done or energy transferred to a component by each coulomb of charge that passes through it. The unit of potential difference is the volt (V).

**Power**

The energy transformed or transferred per second. The unit of power is the watt (W).

**Reflection**

The change of direction of a light ray or wave at a boundary when the ray or wave stays in the incident medium.

**Refraction**

The change of direction of a light ray when it passes across a boundary between two transparent substances (including air).

**Resistance**

Resistance (in ohms,  $\Omega$ ) = potential difference (in volts, V)  $\div$  current (in amperes, A).

**Scalar**

A physical quantity, such as mass or energy, that has magnitude only.

**Series**

Components connected in a circuit in such a way that the same current passes through them.

**Specific heat capacity**

Energy needed to raise the temperature of 1 kg of a substance by 1°C.

**Speed**

The speed of an object (in metres per second, m/s) equals distance moved by the object (metres)  $\div$  time taken to move the distance travelled (seconds).

**Terminal velocity**

The velocity reached by an object when the drag force on it is equal and opposite to the force making it move.

**Transformer**

Electrical device used to change an (alternating) voltage.

**Transverse wave**

A wave where the vibration is perpendicular to the direction of energy transfer.

**Vector**

A vector is a physical quantity, such as displacement or velocity, that has a magnitude and a direction.

**Velocity**

Speed in a given direction (in metres/second, m/s).

**Wavelength**

The distance from one wave crest to the next.

**Weight**

The force of gravity on an object (in newtons, N).

**Work**

The energy transferred by a force. Work done (joules, J) = force (newtons, N)  $\times$  distance moved in the direction of the force (metres, m).

# Sociology

**Anomie**

A situation of normlessness in which the norms that regulate people's behaviour breaks down.

**Bureaucracy**

An organisation (such as a government department, e.g.. DfE – education), that operates as a hierarchy with a clear set of rules.



**Case study**

A detailed study of a particular institution or a series of related events.

**Cohabiting**

Live together but are not married.

**Confidentiality**

An agreement that all information will only be access by those who have the authority and permission to access it.

**Cycle of deprivation**

The idea that deprivation and poverty are passed on from parents to their children.

**Deviance**

Any form of behaviour that does not conform to the norms of a society – this can be influenced by time, place, social situation and culture.

**Deviancy amplification**

The exaggeration of a particular social issue as a consequence of media coverage, e.g.. anti-social behaviour by groups of young people.

**Embourgeoisement**

A hypothesis suggesting that working class families are becoming middle class in their norms and values as their incomes and standard of living improves.

**Ethnocentric curriculum**

The curriculum is seen as judging things in a biased way from the point of view of one culture.

**Ethnography**

The study of people's culture and practices in everyday settings, usually based on qualitative methods such as participant observation and unstructured interviews.

**Expressive role**

Women take on this role as the housewife and mother (Parsons, 1959).

**Focus group**

A type of group interview that focuses on one particular topic. It explores how people interact within the group and how they respond to each other's views.

**Formal agencies of social control**

Formal rules and social controls that tell everyone within society what is and is not acceptable e.g.. the police, the courts, the government.

**Hate crime**

Crime based on prejudice towards others because of their race, religion, sexual orientation, disability or because they are transgender.

**Hidden curriculum**

Things learned indirectly in school that are not formally taught, such as valuing punctuality, or conformity and obedience.

**Hypothesis**

A supposition, hunch or informed guess, usually written as a statement that can be tested and then either supported by the evidence or proved wrong.

**Instrumental role**

Men take on this role as the breadwinner (Parsons, 1959).

**Instrumentalism**

An attitude or approach to something (such as paid work) where it is a means to an end (e.g.. the wages provide a comfortable lifestyle) rather than an end in itself (e.g.. job satisfaction).

**Joint conjugal roles**

No rigid division of household tasks. Shared leisure activities.

**Labelling**

The process of attaching a label, characteristic or definition to individuals or groups.

**Longitudinal study**

A study of the same group pf people conducted over a long period of time.

**Material deprivation**

Refers to the inability of individuals or households to afford the goods and activities that are typical in a society at a given point in time.

**Meritocracy**

A system in which individuals' achievements are based on their own talents and efforts rather than their social origins and backgrounds.

**Monogamy**

Being married to just one person. This can be serial monogamy, which is when you may divorce and then get remarried.

**Patriarchy**

Male dominance over women.

**Pilot study**

A small scale trial that is carried out in order to test that there are no flaws in the methodology of the main research.

**Pluralism**

An approach which argues that a range of views, interests and opinions exists in society and no one group dominates the political process.

**Primary socialisation**

How a child is taught the norms and values of a society.

**Reliability**

Refers to consistency. Research can be repeated to find the same results.



**Sample**

A subgroup of the population selected for study.

**Segregated conjugal roles**

Division in domestic labour due to gender. Separate leisure activities.

**Self-fulfilling prophecy**

This occurs when a person who has been labelled comes to fit the image people have of them; i.e.. the prediction becomes true.

**Social Stratification**

The way that society is structured into hierarchical strata (layers) with the most privileged at the top and the least favoured at the bottom.

**Status frustration**

A sense of frustration arising in individuals or groups because they are denied status in society



**Streaming**

Dividing students into different groups or bands based on a general assessment of their ability.

**Symmetrical family**

Spouses perform different tasks but both contribute to the home.

**Validating**

Findings are valid if they truly measure or capture what they are supposed to be studying.

**Welfare state**

A system in which the state takes responsibility for protecting the health and welfare of its citizens and meeting their social needs.

# Exam Command Words

These verbs are the important instructions that you will be expected to follow in an exam situation. Unfortunately, 'how' you respond to exam command words does vary slightly between different subjects and exam boards; however, here is some general advice on how to approach some common command words in your exams.

Analyse	To study something very closely with a particular purpose in mind.
Compare	To identify similarities and differences between two or more things.
Define	State the exact meaning of something.
Describe	Briefly tell or recall. You are saying or stating what something is like. E.g. Telling a story of what happened or describing what you can see.
Discuss	Examine closely taking account of strengths and weaknesses in an argument; offer reasons for and against.
Evaluate	Make a judgement about the worth, effectiveness or usefulness of something.
Explain	You say why and how e.g. this meant that/ this is because
Justify	Explain why/give reasons to support your statements.
Suggest	State a possible reason or course of action.

## Words to help expand and improve your writing

Adding	Time	Cause/effect	Contrasting
moreover also as well as furthermore	next then finally meanwhile eventually	because therefore so consequently as a result of hence	however alternatively although except unless



Gold Star words are excellent to learn as they can be used effectively in multiple subjects.



Red Star words should be approached with caution as they can have different meanings in different subjects.

*“The limits of your language  
are the limits of your world.”*

*Ludwig Wittgenstein*