



**LAURUS
GRACE**

Curriculum Knowledge and Skills

Subject Reference Guide

Year 10

2025-2026

Year 10 GCSE English Language

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <p>Reading</p> <ul style="list-style-type: none"> • a range of texts to help students articulate their ideas in a sophisticated way • the way in which language, structure, form and context are used to enable a writer to express their ideas • the significant impact that literature has on the world <p>Writing</p> <ul style="list-style-type: none"> • the methods used to write with engagement and control • the ways in which specific audiences can be targeted through linguistic devices. <p>Speaking and Listening</p> <ul style="list-style-type: none"> • the various ways in which talk and discussion can be used to articulate meaning 	<p>Students will develop their skills in:</p> <p>Reading</p> <ul style="list-style-type: none"> • articulating informed interpretations of meanings supported by well-chosen textual references • analysing how writers use language and structure to convey ideas, achieve effects and influence readers using relevant subject terminology • comparing ideas, attitudes, methods and contexts in order to evaluate effectiveness • relating different texts to their relevant social, historical and literary context across the 19th, 20th and 21st century • making links between texts • accessing unseen literature independently • evaluating texts critically and supporting this with appropriate textual references <p>Writing</p> <ul style="list-style-type: none"> • communicate clearly, effectively and imaginatively • selecting and adapting tone, style and register for different forms, purposes and audiences • organising information and ideas, using structural and grammatical features to support coherence and cohesion of texts • selecting appropriate words and phrases from a rich and wide vocabulary • demonstrating control of spelling, punctuation and grammar • utilising a variety of sentence structures with control for both meaning and effect

Year 10 GCSE English Literature

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <p>Reading</p> <ul style="list-style-type: none">● a range of seen and unseen texts from across the 19th, 20th and 21st century to help students articulate their ideas in a sophisticated way● the way in which language, structure, form and context are used to enable a writer to express their idea● the significant impact that literature has on the world● different genres of writing and their influences <p>Writing</p> <ul style="list-style-type: none">● the methods used to write with engagement and control	<p>Students will develop their skills in:</p> <p>Reading</p> <ul style="list-style-type: none">● articulating informed interpretations of meanings supported by well-chosen textual reference● analysing how writers use methods to convey ideas, achieve effects and influence the reader or audience, including language, structure, form and dramatic devices● comparing ideas, attitudes, methods and contexts in order to evaluate effectiveness● making specific links between texts and their relevant social, historical and literary context across the 19th, 20th and 21st century● comparing unseen texts● exploring the writer's purpose, ideas and perspectives <p>Writing</p> <ul style="list-style-type: none">● demonstrating control of spelling, punctuation and grammar when articulating ideas

Year 10 GCSE Maths

Knowledge	Skills
<p>Students will develop their knowledge in order to:</p> <ul style="list-style-type: none"><li>• accurately recall facts, terminology and definitions<li>• use and interpret notation correctly<li>• accurately carry out routine procedures or set tasks requiring multi-step solutions<li>• make deductions, inferences and draw conclusions from mathematical information<li>• construct chains of reasoning to achieve a given result<li>• translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes<li>• make and use connections between different parts of mathematics	<p>Students will develop their skills in:</p> <ul style="list-style-type: none"><li>• interpreting and communicating information accurately<li>• presenting arguments and proofs<li>• assessing the validity of an argument and critically evaluating a given way of presenting information<li>• interpreting results in the context of a given problem<li>• evaluating methods used and results obtained<li>• evaluating solutions to identify how they may have been affected by assumptions made

Year 10 GCSE Science - Biology

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none">• cells, subcellular structures and how microscopy is used to examine these• why enzymes are important proteins in biology• metabolic processes such as respiration• how green plants and algae trap light from the Sun in photosynthesis• how cells transport many substances across their membranes by diffusion, osmosis and active transport• stem cells which are found in both plants and animals and how they can divide, differentiate and become specialised to form tissues, organs and organ systems• gaseous exchange surfaces and transport systems in multicellular organisms• diseases affecting the health of populations of both humans and plants, and ways to prevent and combat disease• how our bodies defend themselves against disease and how immunity is achieved• the impact of non-communicable diseases on the health of the population	<p>Students will develop their skills in:</p> <ul style="list-style-type: none">• hypothesising and testing theories and concepts• assessing hazards and taking precautions to minimise the associated risks• using appropriate apparatus and techniques• observation, enquiry and problem solving• analysing methodology, evidence and conclusions• interpreting and evaluating• communication, mathematics and the use of technology in scientific contexts

Year 10 GCSE Science - Chemistry

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none">• the particle model and its explanation of different states of matter• how elements are substances that are made up of only one type of atom and atoms of different elements can combine to make compounds• models of atomic structure• useful materials that we use today that are mixtures• methods of separating mixtures including filtration, crystallisation, distillation and chromatographic techniques• what happens when chemical reactions occur in terms of losing, gaining or sharing of electrons• the physical properties of elements and compounds and how the nature of their bonding is a factor in their properties• how to use chemical equations to represent the overall change in a chemical reaction• conservation of mass• how chemical reactions are accompanied by an energy change and how a simple model involving the breaking and making of chemical bonds can be used to interpret and calculate the energy change• examples of reactions including reduction, oxidation and neutralisation reactions• electrolysis	<p>Students will develop their skills in:</p> <ul style="list-style-type: none">• hypothesising and testing theories and concepts• assessing hazards and taking precautions to minimise the associated risks• using appropriate apparatus and techniques• observation, enquiry and problem solving• analysing methodology, evidence and conclusions• interpreting and evaluating• communication, mathematics and the use of technology in scientific contexts

Year 10 GCSE Science - Physics

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none"> • energy and how it is stored and transformed • the nature and application of thermodynamics • the importance of the conservation of energy • efficiency of electrical devices • global energy resources and the impact they have on the environment • common circuit symbols used to make circuits • electrical current as the flow of electrical charge • the effects of resistance on current • the relationship between current, potential difference and resistance • common I-V relationships for electrical components • sensing components in electrical devices • domestic electricity use and keeping safe • the efficient transport of electricity • the differences in density between different states of matter • changes of state as a physical change • internal energy and how it can be altered • the concept of pressure • how elements are substances that are made up of only one type of atom and atoms of different elements can combine to make compounds • models of atomic structure • types of ionising nuclear radiation and their effects on the nucleus. • the random nature of radioactive decay. • the common uses and risks associated with the use of radiation. 	<p>Students will develop their skills in:</p> <ul style="list-style-type: none"> • hypothesising and testing theories and concepts • assessing hazards and taking precautions to minimise the associated risks. • using appropriate apparatus and techniques • observation, enquiry, and problem solving. • analysing methodology, evidence, and conclusions • interpreting and evaluating • communication, mathematics, and the use of technology in scientific contexts

Year 10 GCSE Art/Photography

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none"> • researching effectively – the ability to explore the work of a range of photographers, artists and film makers and draw inspiration from techniques, processes and ideas • exploring and communicating ideas using the work of others to develop and extend thinking, and to help themselves make informed decisions with their own work. Having the ability to discuss and compare the work of others • a range of processes, and how to use them within their work; making informed decisions about when to apply appropriate techniques within their work, and developing this • how ideas, feelings and meanings can be conveyed and interpreted in images, artefacts and products • how images, artefacts and products relate to social, historical, vocational and cultural contexts • a variety of approaches, methods and intentions of contemporary and historical artists from different cultures and their contribution to continuity and change in society. 	<p>Students will develop their skills in:</p> <ul style="list-style-type: none"> • the ability to record experiences and ideas in appropriate forms when undertaking research and gathering, selecting and organising visual, and other relevant information • exploring relevant resources – analysing, discussing and evaluating images, objects and products, making and recording independent judgements in visual and other forms • generating and exploring potential lines of enquiry using appropriate techniques and processes. • applying knowledge and understanding; reviewing and modifying work and planning and developing ideas in the light of their own and others' evaluations • organising, selecting and communicating ideas, solutions and responses, and presenting them in a range of appropriate visual, tactile and/or sensory forms including the use of new technologies • working both as individuals and in collaboration with others in a range of situations • discussing the work of relevant photographers, artists and film makers. • using correct Art vocabulary • annotating and evaluating their own work in relation to their intentions

Year 10 Beliefs and Values

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none"><li>• Ethics<li>• Social justice<li>• Philosophy and what it means to be human<li>• Peace and pacifism<li>• Prejudice and discrimination<li>• RSE: What a healthy relationship looks like and how to make choices that are safe and limit risk. The law surrounding consent and Harmful sexual behaviours.<li>• Careers and future choices: pathways to explore different careers and financial awareness.	<p>Students will develop their skills in:</p> <ul style="list-style-type: none"><li>• Maturity, compassion and tolerance towards real world issues<li>• Ethical, philosophical and religious thinking and how it influences people's lives<li>• Having an awareness of differing viewpoints<li>• Appraising and appreciating a variety of beliefs and worldviews<li>• Deep thinking skills in connection to ultimate questions<li>• Listening to others and respectfully disagreeing<li>• Using evidence from various sources, including religious scripture, to express and evaluate ideas<li>• Analysing different ideas and viewpoints and being willing to justify your point of view<li>• Debating<li>• Empathy<li>• Working to deadlines

Year 10 PE (Core)

Knowledge	Skills
<p>Students will develop their knowledge of:</p> <ul style="list-style-type: none"><li>● advanced strategies, tactics and skills used in sports and physical activities<li>● rules and regulations for a range of sports<li>● the impact of physical activity on health and wellbeing<li>● how to perform safely and effectively to enable transition from school sport to sport post 16<li>● the benefits of leading a healthy active lifestyle through exercise and physical activity outside of school.	<p>Students will develop their skills in:</p> <ul style="list-style-type: none"><li>● racquet sports, striking and fielding, invasion games, athletics, dance, health related exercise, climbing, trampolining and outdoor and adventurous activities (OAA)<li>● team-work<li>● using advanced techniques, strategies and tactics in a range of sports in competitive game situations<li>● being able to make the correct decisions in competitive and performance situations to allow them to beat an opponent regularly and apply knowledge to different contexts and activities<li>● analysing performance of themselves and others during performance to alter the outcome of a game.