

YEAR 10

Dear Parents and Carers,

This is an overview of the topics that your child will be studying in the final half term of Year 10 (June and July). If you have any queries about a subject, please contact the Curriculum Directors of each faculty (contact information below).

Subject	The topics that your child will be studying.	An outline of the course over this half term
Maths	Straight line graphs; Forming and solving equations; Conjectures	<ul style="list-style-type: none"> • Straight Line Graphs – including using a table of values, plotting straight line graphs, and exploring parallel and perpendicular lines. • Forming and Solving Equations – including linear equations, with unknowns on one side and unknowns on both sides. • Testing Conjectures – including making conjectures with number and algebra.
English	Creative writing	Students will study fiction extracts and develop their narrative and descriptive writing skills. Power poetry – students will learn the key themes and language techniques of power poetry whilst developing their analytical essay writing skills.
Science	Reproduction; Organic reaction; Motion; Variation and evolution; Polymers; Electromagnetism.	<ul style="list-style-type: none"> • Reproduction: Examines the processes of sexual and asexual reproduction in plants and animals, including fertilization and embryonic development. • Organic reaction: Explores the mechanisms and applications of organic reactions, such as substitution, addition, and elimination reactions. • Motion: Investigates the concepts of velocity, acceleration, and force in describing the motion of objects and systems. • Variation and evolution: Studies genetic variation, natural selection, and evolutionary processes shaping the diversity of life on Earth. • Polymers: Analyses the properties, synthesis, and applications of polymers, including plastics, fibres, and biomaterials. • Electromagnetism: Explores the relationship between electricity and magnetism, including electromagnetic induction and the behaviour of charged particles in magnetic fields. Using our resources: Examines sustainable practices and technologies for resource management and conservation, including recycling, renewable energy, and waste reduction strategies
Geography	Challenge of Natural Hazards; Fieldwork	Students will investigate the causes, impacts and management of tectonic hazards & extreme weather events. They will also undertake their rivers fieldwork.

History	The American West (1835-1895) Paper 2	<p>This topic focuses on how complexities of how the American West came to be. You will investigate themes such as settlement, religion and beliefs, nationalism, technology, farming, government, and tribal structures.</p> <ul style="list-style-type: none"> • Key topic 1: The early settlement of the West, c1835–c1862
Religious Education	Mock exam preparation	Students will focus on revising core topics for their mock examination.
French	Unit 6 – Social Issues	Students will explore subtopics such as charity, volunteering, and healthy living. We use more impersonal verbs and talk about what we would like to do, and would you like to volunteer abroad. Students will also begin to write answers in their speaking booklet in preparation for their speaking exam in year 11.
Sport	R185 - Performance and leadership in sport activities Topic 2	Students will apply practice methods to support improvement in a selected sport.
Music	Composing and performing.	<ul style="list-style-type: none"> • Composing: Students will explore musical devices and will start work on their free composition. • Performing: Students work on developing solo and ensemble pieces.
Art	'Identity'	Students will then move onto the theme of identity. This project will draw on learning from the previous project and allow students to incorporate elements of their own identity into their work. The project follows the same structure as before starting with initial ideas, then artist research, experimenting with materials, developing ideas, and then creating a personal response.
Creative iMedia (IT)	Topic 4 - Digital Products	Students will review how digital products are accessed and how properties of different file formats and compression settings can impact the method used for audience to access different content.
Design and Technology	Non-Exam Assessment (NEA)	The non-exam assessment will contribute towards 50% of the student's overall mark. It will consist of a working prototype and a concise portfolio of approximately 20 pages of A3 paper.
Hospitality and Catering	Mock NEA	Students will work on a mock NEA to prepare them for the assessment in Year 11. This will include working to a brief and bringing in the knowledge they have gained over the year. This will include a practical assessment which will include presenting a dish that fits the brief that they have been working on.
Enterprise	Focus on Tasks 1a and 1b of the course	<ul style="list-style-type: none"> • Tasks 1a and 1b mock using PSA Sample • Production of presentation • Delivery of presentation • Work Experience • Review of presentation

Health and Social Care	Component 1	Students are completing component one in which they complete their controlled assessment on Human Lifespan Development.
Core Physical Education (non-exam)	Basketball, Badminton, Invasion games and Fitness	Students will be studying a Mastery Curriculum developing Motor Competence, rules strategies tactics and healthy participation, building upon their KS3 knowledge. Students have chosen which special sport to study to allow for increase in participation after KS4

Curriculum Directors:

Faculties	Subjects	Curriculum Director
Communications	English and French	Mrs Spalding: kspalding@oiea.co.uk
Humanities	Geography, History and RE	Mr Fotheringham: jfotheringham@oiea.co.uk
Science, Health and Sport	Science, Core PE, Sport and Health and Social Care	Mr Cross: scross@oiea.co.uk
Mathematics, Enterprise and IT	Mathematics, Enterprise and IT	Mrs Magill: amagill@oiea.co.uk Mr Cotton: ocotton@oiea.co.uk
Creative	Art, DT, Hospitality, Music	Mr Underhill: bunderhill@oiea.co.uk

Kind regards,

Oliver Forster

Vice Principal – Quality of Education