**Ormiston Park Academy Curriculum Map Years 7-11 Department: ICT / Creative iMedia Curriculum Leader: J Samuel**

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|  | Half Term 1 | Half Term 2 | Half Term 3 | Half Term 4 | Half Term 5 | Half Term 6 |
| Year 11 | **Key Content:** * Introduction to the 3rd project **- Computer Graphics project.** (just the first 8 lessons to complete the investigation stage of the life-cycle)
* Wrapping up the website project. Students will have 7 lessons make improvements to their websites and complete the final review.
 | **Key Content:** Teaching unit R081 – Theory  | **Key Content:** Continuation with the teaching and assessment of the final project: **Computer Graphics project.** | **Key Content:** Continuation with the teaching and assessment of the final project: **Computer Graphics project.** | **Key Content:** **Examinations****Examinations****Examinations** | **Key Content:** **Examinations****Examinations****Examinations** |
| **Key Skills:*** Reviewing different types of graphics, types of file formats, reviewing how purpose and audience considerations affect the style and content of a published magazine.
* Reviewing completed website against the original client’s requirement.
 | **Key Skills:**Learning the purpose and content of various preproduction documents:* Storyboard
* Mind map
* Script
* Visualisation diagram
 | **Key Skills:*** Learn how to:
* Define the audience of the a project
* Interpret the client’s requirement
* Create various pre-production documents for the project.
 | **Key Skills:*** Producing the graphic advert by:
* Combining various images on different layers.
* Modifying image resolution, brightness, hue and saturation
* Using masks
 | **Key Skills:****Examinations****Examinations****Examinations** | **Key Skills:****Examinations****Examinations****Examinations** |
| Year 10 | **Key Content:** Project 1: Creating Digital Graphics **(Initiation stage)** | **Key Content:** Project 1: Creating Digital Graphics**(Design stage)** | **Key Content:** Project 1: Creating Digital Graphics**(Creation stage)** | **Key Content:** Project 2: Creating Interactive websites**(Initiation stage)** | **Key Content:** Creating Interactive websites**(Design stage)** | **Key Content:** Creating Interactive websites**(Creation stage)** |
| **Key Skills:*** Students will learn various skills about how to review computer graphics
 | **Key Skills:**Producing a range of preproduction design documents:* Storyboard
* Mind map
* Visualisation diagram
* Using graphics package
 | **Key Skills:**Learn and use various graphics package like:* Drawing / painting tool
* Layers
* Combining multiple layers
* Working with and changing image resolution
 | **Key Skills:*** Students will learn various skills about how to review computer graphics
 | **Key Skills:**Producing a range of preproduction design documents:* Storyboard
* Mind map
* Visualisation diagram
* Using graphics package
 | **Key Skills:**Learn and use various Web authoring package like:* Creating new page
* Importing graphics onto page
* Adding hyperlink

Working with and changing image resolution |
| Year 9 | **Key Content:** Introduction to Web Design | Additional lessons on Introduction to Web Design | Additional 3 lessons on Computer architecture | **Key Content:** Computer architecture | **Key Content:** * Creating Pre-Production documents
 | Additional 3 – 4 lessons on Creating Pre-Production documents |  | **Key Content:** Creating Computer Graphics |
| **Key Skills:*** Students will learn to use:
* Various HTML tags
* Dreamweaver software to create simple pages
* Import asset created on other packages into web page.
 | **Key Skills:** Students will learn the following:* Purpose and difference between ROM / RAM
* Types of storage
* Suitability of different storage devices
* Advantages and Disadvantages
* Characteristics
 | **Key Skills:**Students will learn the purpose, content & use of:* Mind map
* Mood board
* Work plan
* Visualisation diagram
 | **Key Skills:**Using a graphics software, students will learn how to:* open an existing image and change the colour, hue and saturation, exposure, brightness etc
* They will learn to change resolution & more.
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| Year 8 | **Key Content:** Creating interactive Multimedia Product using PowerPoint | Additional 3 lessons on Creating interactive Multimedia Product using PowerPoint | Additional 3 lessons on Understanding computers | **Key Content:** Understanding computers | **Key Content:** **Creating Computer Graphics** for webpage asset or for other dedicated use like adverts. | Additional 3-4 lessons on **Creating Computer Graphics** for webpage asset or for other dedicated use like adverts. | Additional 3-4 lessons on Computer programming with Python | More Computer programming with Python |
| **Key Skills:** Students will learn to use the following:* Achieve consistency with the use of Masterslide
* Adding appropriate information to slide
* Adding navigation to slides
* Adding sound / interactive components
 | **Key Skills:** Students will demonstrate understanding of:* Elements of computer system
* Central Processing Unit (CPU)
* More on binary
* Binary addition
* Storage
 | **Key Skills:** * Using graphics tablet
* Changing colour and other properties of an image.
* Changing image resolution
* Using layers
* Other digital graphics effects
 | **Key Skills:** * Data types
* Building Graphical User Interface
* Designing a simple calculator
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| Year 7 | **Key Content:** Introduction to presentation and interactive products | **Key Content:** Understanding computers | **Key Content:** Introduction to Spreadsheet modelling | **Key Content:** Introduction to Programming(Course F 2019) | **Key Content:** Introduction to computer programming with Python. | **Key Content:** Introduction to computer components |
| **Key Skills:** * Presenting information
* Combining text and images
* Recognising the needs audience
* Presentation skill
 | **Key Skills:** Learning about the following:* Elements of computers
* The CPU
* Understanding binary / binary addition
* Storage devices
 | **Key Skills:** Students will understand and use:* Columns
* Rows
* Cells
* Formula
* Make changes to rules and variables
 | **Key Skills:** Students will understand and use:* Sequencing instructions
* Using functions, loops and nested loops
* Variables and sprite.
 | **Key Skills:** * Understanding Python programming syntax
* Writing and running simply programs
* Sequencing instructions
* Using loops
* Using functions
 | **Key Skills:** Students will demonstrate understanding of:* Hardware and software
* Hardware input devices
* Hardware processing device
* Hardware output device
* Hardware storage device
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