

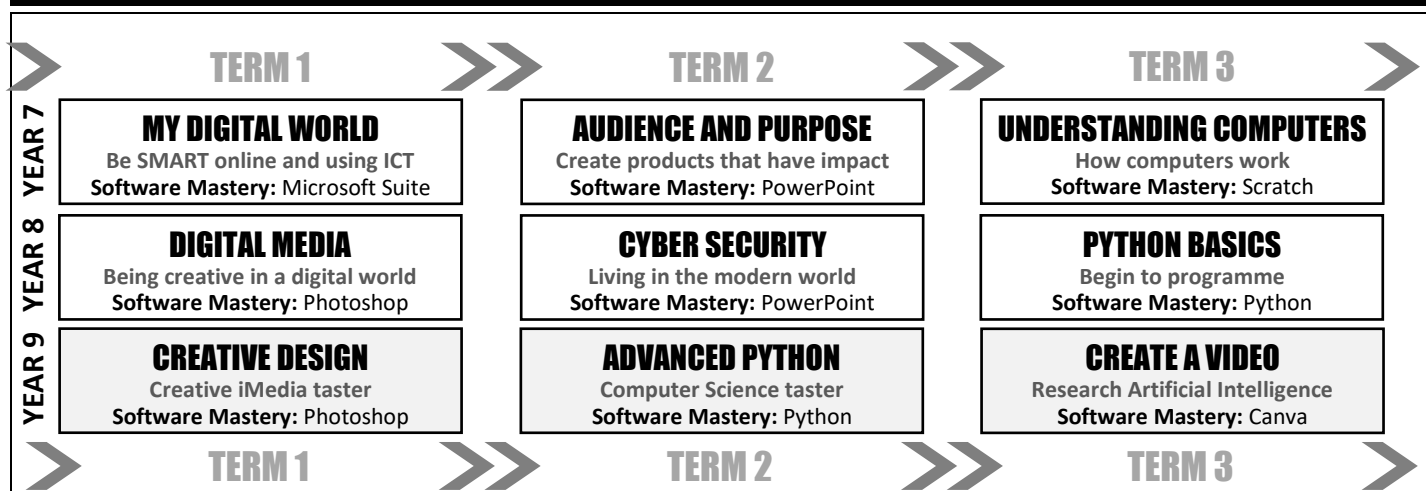
UNIT OVERVIEW & LEARNING JOURNEY

YEAR 9 – COMPUTING: TERM 3



CREATE A VIDEO – Research Artificial Intelligence

OVERALL LEARNING JOURNEY FOR KEY STAGE 3 COMPUTING



This unit focuses on artificial intelligence and the basics of video editing by designing, producing, and evaluating short video clip which is fit for purpose and audience.

Aim of this unit:

This unit will take the whole of this term to complete. Topics to be covered within this developing technology:

- Types of Artificial Intelligence (AI)
- Machine Learning
- Neural Networks and Deep Learning
- Ethical Implications of AI
- Develop skills of designing using storyboards
- Producing a 45-60 second video clip

Creating and editing videos will be done using online video editing software called Canva.

Assessment:

Each lesson contains tasks to complete independently. Some of the exercises will be logged online whereas others will be assessed on paper.

At the end of this unit there will be a 40-minute exam paper on all the topics covered this year.

This test, as well as the skills demonstrated on Canva will determine the final grade for this unit.

Homework:

Will be set at least once a fortnight with the expectation only 20 minutes is spent completing these. Homeworks will be a combination of written, research, investigative tasks.



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LEARNING JOURNEY FOR COMPUTER SCIENCE OR CREATIVE iMEDIA

Computer Science	SYSTEMS ARCHITECTURE & MEMORY Paper 1	ALGORITHMS & COMPUTATIONAL LOGIC Paper 2	PROGRAMMING TECHNIQUES Paper 2	YEAR 10
Computer Science	NETWORKS Paper 1	SYSTEMS SOFTWARE Paper 1	ETHICS & REVISION Paper 1 & Paper 2	YEAR 11
Creative iMedia	R093 & R094 Revision of Year 9 work on client requirements, purpose and audience...	R094 Visual identity and digital graphics Practice coursework	R094 & R093 Submit R094 coursework Exam preparation for R093	YEAR 10
Creative iMedia	R097 & R093 Interactive digital media Exam preparation for R093	R093 & R097 Submit R097 Exam preparation for R093	R093 Exam for R093 Creative iMedia in industry	YEAR 11
	TERM 1	TERM 2	TERM 3	

DATE:

RAG rate your understanding:



LESSON 1: Research

Criteria | Developing technology |
Review | Research | Advantages |
Security issues

DATE:

RAG rate your understanding:



LESSON 2: Practice I

Import / Export | Split / Trim |
Transitions & Effects | Titles / End
credits | Sound / Audio | Editing

DATE:

RAG rate your understanding:



LESSON 3: Practice II

Camera angles | Wide-angle / Zoom |
Camera movement | Pan / Tilt / Tracking
| File formats | Version control

DATE:

RAG rate your understanding:



LESSON 4: Design and storyboard

Plan | Design | Storyboards | Purpose |
Content | Digitising

DATE:

RAG rate your understanding:



AWE & WONDER: AI and machine learning

Facial recognition | Fingerprint recognition | Neural
network | Self-driving cars | Sensors | Embedded | Camera
| Push button | Rules | Decisions | Training data |
Machine learning | Intelligence | Virtual assistants



Ad Astra

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STARS