



**Design & Technology
Timeline**

OCR (Cambridge Nationals) Creative iMedia	Term/date	NCFE Level 1/2 Technical Award in Engineering
Preparation for NEA 1 Topic area 1 (Develop visual identity) <ul style="list-style-type: none"> Purpose, elements and design of visual identity 	Spring 1 2 nd January - 9 th February	Preparation for NEA Introducing and developing CAD skills and knowledge <ul style="list-style-type: none"> 2D profiling 3D profiling CAD extruding
Preparation for NEA 1 Topic area 2 (Plan digital graphics for products) <ul style="list-style-type: none"> Graphic design and conventions Properties of digital graphics and use of assets Techniques to plan visual identity and digital graphics 	Spring 2 19 th February - 28 th March	Preparation for examined element and mock NEA task Materials research and materials selection <ul style="list-style-type: none"> Mixed materials practical SOW (mock NEA) Mock NEA task <ul style="list-style-type: none"> Materials research
Preparation for NEA 1 Topic area 3 (Create visual identity and digital graphics) <ul style="list-style-type: none"> Tools and techniques of imaging editing software used to create digital graphics Technical skills to source, create and prepare assets for use within digital graphics Techniques to save and export visual identity and digital graphics 	Summer 1 15 th April - 24 th May	Preparation for examined element and mock NEA task <ul style="list-style-type: none"> Completion of mixed materials practical SOW Mock NEA task <ul style="list-style-type: none"> Hand-drafted engineering drawings Engineering drawings using CAD software Production plan
NEA 1 (RO94) 'Visual identity and digital graphics' submitted in May		
Preparation for NEA 2 Topic area 1 (Plan characters and comics) <ul style="list-style-type: none"> Character features and conventions Conventions of comics Resources required to create characters and comics Pre-production and planning documentation and techniques for characters and comics 	Summer 2 3 rd June - 19 th July	Preparation for examined element and mock NEA task Mock NEA task <ul style="list-style-type: none"> Functioning prototype manufacture Evaluation of your final product
Preparation for NEA 2 Topic area 2 (Create characters and comics) <ul style="list-style-type: none"> Techniques to obtain and create components for use within comics Technical skills to create comics Techniques to save and publish characters and comics 	Autumn 1 2 nd September - 25 th October	NEA context for the year released in September Preparation for the NEA Focused practical tasks that individually cover one of the six NEA elements (themed to the released context) in preparation for NEA delivery in Autumn 2 <ul style="list-style-type: none"> Materials research Hand-drafted engineering drawings Engineering drawings using CAD software Production plan Functioning prototype manufacture Evaluation of your final product
Preparation for NEA 2 Topic area 3 (Techniques to check and review characters and comics) <ul style="list-style-type: none"> Techniques to check and review characters and comics Improvements and further developments 	Autumn 2 4 th November - 20 th December	NEA to start this term NEA <ul style="list-style-type: none"> Materials research (1 hour 30 minutes) Hand-drafted engineering drawings (2 hours 30 minutes) Engineering drawings using CAD software (2 hours 30 minutes)
NEA 2 (RO95) 'Characters and Comics' submitted in January		
Preparation for the theory examination Topic area 1 (The media industry) <ul style="list-style-type: none"> Media industry sectors and products Job roles in the media industry Topic area 2 (Factors influencing product design) <ul style="list-style-type: none"> How style, content and layout are linked to the purpose Client requirements and how they are defined Audience demographics and segmentation Research methods, sources and types of data Media codes used to convey meaning, create impact and/or engage audiences 	Spring 1 6 th January - 14 th February	NEA <ul style="list-style-type: none"> Production plan (4 hours) Functioning prototype manufacture (6 hours) Evaluation of your final product (1 hour 30 minutes) NEA completion and submission Preparation for the theory examination <ul style="list-style-type: none"> Engineering disciplines Applied Science and Maths in Engineering Reading Engineering drawings
Preparation for the theory examination Topic area 3 (Pre-production planning) <ul style="list-style-type: none"> Work planning Documents used to support ideas generation Documents used to design and plan media products The legal issues that affect media Legal considerations to protect individuals Intellectual property rights Regulation, certification, and classification Health and safety 	Spring 2 24 th February - 4 th April	Preparation for the theory examination <ul style="list-style-type: none"> Properties, characteristics and selection of Engineering materials Engineering tools, equipment and machines Hand-drawn Engineering drawings
Preparation for the theory examination Topic area 4 (Distribution considerations)	Summer 1	Preparation for the theory examination <ul style="list-style-type: none"> CAD

<ul style="list-style-type: none"> • Distribution platforms and media to reach audiences • Properties and formats of media files • Image files • Audio files • Moving image files • File compression <p>Theory Examination (RO93) 'Creative iMedia in the media industry' sat in Summer examination window</p>	<p>22nd April - 23rd May</p>	<ul style="list-style-type: none"> • Production planning techniques • Applied processing skills and techniques <p>Theory Examination (6O3/7006/3) 'Engineering - Examined assessment'</p>
	<p>Summer 2</p> <p>2nd June - 22nd July</p>	