## **iMedia**

## Preparing students for tomorrow, bit by bit

The Computing department will help to create, share, and apply knowledge in all branches of Computer Science and ICT. We will educate students to be successful, ethical, and effective problem-solvers with a passion to innovate and create, rather than just passive consumers and users of technology. We will develop an understanding and appreciation of all aspects of digital products, from how they work to how they look. We will foster curiosity and encourage exploration to create students who can contribute positively to the well-being of our society and who are prepared to tackle the complex 21st Century challenges facing the world.

## Summary focus areas:

- Innovate, create, develop
- Solving 21st Century problems
- Active developers not passive consumers

Autumn		Spring		Summer
Digital Graphics Coursework	Digital Graphics Coursework Exam Preparation	2D 3D Character Coursework	Digital Animation Coursework	Improvements/ Resits

Homework for iMedia is set weekly to support and extend the students' studies from their lessons. Work may be a mixture of practical, computer-based tasks and paper-based written work or design tasks. Activities set as homework may be:

- Preparatory work or research ahead of a new topic or concept being discussed in lessons.
- Extension work that allows the student to explore a topic in more depth or in other contexts.
- Application work that allows students to practise skills or demonstrate abilities.

Students are expected to spend around an hour on a homework activity each week and work is marked promptly to help students to identify and understand their weaknesses to make incremental improvements over the course of the year.

Unit Duration (lessons)	Learning Objectives/Outcomes	
Graphics Coursework  are us the putality of the country of the cou	ces a summary of how and why digital graphics ed, demonstrating a thorough understanding of urpose of digital graphics ies a wide range of file types and formats, which possistently appropriate to digital graphics onstrates a thorough understanding of the ection between the properties of digital graphics heir suitability for use onstrates a thorough understanding of how ent purposes and audiences influence the design ayout of the digital graphics ces an interpretation from the client brief which neets the client requirements ces a clear and detailed identification of target nace requirements y draws upon relevant skills/knowledge/standing from other units in the specification ces a clear and detailed work plan for the on of the digital graphic, which is fully capable of icing the intended final product ces a clear and detailed visualisation diagram for tended final product in the intended final product ces a clear and detailed visualisation diagram for tended final product in the intended final product ces a clear and detailed visualisation diagram for tended final product in the intended final product ces a clear and detailed visualisation diagram for tended final product in the intended final product ces a clear and detailed visualisation diagram for tended final product in the intended final product ces a clear and detailed visualisation diagram for tended final product in the sassets for use in digital graphic, demonstrating a thorough understanding of legislation in the the use of images in digital graphics es and creates a wide range of assets for use in gital graphic, all of a create a digital graphic in the digital grap	

	development of the final digital graphic, which are wholly appropriate and justified
Character creation Coursework  P P C C C C C C C C C C C C C C C C C	Demonstrates a thorough understanding of when and where 2D and 3D digital characters are used. Describes a range of 2D and 3D digital characters and lebalis a range of software, including some complex yopes, that can be used to create them bemonstrates a thorough understanding of physical and facial characteristics of a wide range of 2D and 3D digital characters are used. The client brief for a 2D and 3D digital character which fully meets the client equirements are understanding of the client equirements are understanding of their potential use dentifies many assets needed to create a 2D or 3D digital character, demonstrating a thorough understanding of their potential use dentifies many of the resources needed to create a 2D or 3D digital character, demonstrating a thorough understanding of their potential use dentifies many of the resources needed to create a 2D or 3D digital character, demonstrating a thorough understanding of their purpose reduces a clear and detailed work plan for the 2D or 3D digital character, which is fully capable of producing ne intended final character Clearly draws upon relevant skills/knowledge/ Inderstanding from other units in the specification reduces a clear and detailed visualisation diagram for ne 2D or 3D digital character. Creates a clear and detailed test plan for the character which fully tests the functionality, listing tests, expected and actual outcomes and identifying re-tests bemonstrates a thorough understanding of legislation in elation to the use of assets in 2D and 3D digital characters ources and stores a wide range of assets for use, consistently uses appropriate methods less a wide range of software tools and techniques to create the visualised character. Consistently saves and exports the 2D or 3D digital character in appropriate formats. Consistently saves and exports the 2D or 3D digital character in appropriate formats. Consistently saves and exports the 2D or 3D digital character in appropriate formats.

		development of the final character, which are wholly appropriate and justified
Digital Animation Coursework	20	<ul> <li>Demonstrates a thorough understanding of the purposes and uses of animations</li> <li>Describes a wide range of animation techniques and types, demonstrating a thorough understanding of the advantages and disadvantages of each</li> <li>Produces an interpretation from the client brief for a digital animation which fully meets the client requirements</li> <li>Produces a clear and detailed identification of target audience requirements</li> <li>Clearly draws upon relevant skills/knowledge/ understanding from other units in the specification</li> <li>Describes file formats and their properties with accuracy. Judgment of suitability for the digital animation is almost always accurate</li> <li>Creates a detailed storyboard which identifies a wide range of resources and assets to be used</li> <li>These choices will consistently be appropriate to the client requirements</li> <li>Demonstrates a thorough understanding of legislation in relation to the use of assets, ideas and concepts in digital animations</li> <li>Sources and stores a wide range of assets for use, consistently using methods which are appropriate</li> <li>Creates a clear and detailed test plan for the animation which fully tests the functionality, listing tests, expected and actual outcomes and identifying re-tests</li> <li>Uses tools and techniques within the animation software to fully address the client brief, to create the digital animation</li> <li>Uses many functions within the animation software to enhance and animate movement</li> <li>Carries out thorough testing of the digital animation at regular intervals during production</li> <li>Consistently saves and exports the digital animation in an appropriate format</li> <li>Consistently saves and exports the digital animation which demonstrates a thorough understanding of what worked and what did not, fully referencing back to the brief</li> <li>Review identifies areas for improvement and further development of the digital animation, which are wholly appropriate and justified</li> </ul>