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| **Computing – Level 1 and 2 preparation work for my course** |

**What skills should I familiarise myself with or should I research into over the summer and in preparation for my new course?**

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| * Keep up to date with key computing news by watching the News and reading computing articles and magazines. * Watch documentaries on the television on Computing and new technologies * Use websites such as code academy * Try a new piece of software, e.g. Atom for website building |

**Complete the following tasks:**

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| **Introduction**  It is important to understand the impact that animation has had on the computing, games and media industries. Part of this impact is how realistic animation now looks and how you sometimes have to look twice to work out if its real life or animated!  Have a look at this animation and look at how animation can be made to look human like:  <https://www.youtube.com/watch?v=HJSw5gGYW6A>  During the computing courses you will be studying animation including where and how it is used and why it is used. You will then be able to start working on your own animation.  We use a few different types of software to produce the animation including Adobe Animate and Pivot.  For this task you will be using Pivot (which is free to download and use):  <http://pivotanimator.net/>  This is a great software to use to start to be able to animate.  There are also some good tutorials on the Pivot page to show features of the software and how it can be used to create different effects.  See task on pages below:  **Research task:**  Understanding animation and its uses:  Research and watch different forms of animation from films, to TV adverts, games and TV shows. When you have watched the different forms of animation think about why you think animation has been used and how it has changed over the years. Put your thoughts into writing and include images where you think it backs up your thoughts.    **Animation task**  **Produce an advert that contains a character taking part in a sport. You can choose the sport, but running is an easy sport to animate:**  <https://www.youtube.com/watch?v=C4tG3fcaitA>  **The animation must run for a minimum of 20 seconds and must contain the following:**   * Characters that are a suitable size completing a sport * A message about the sport and how much fun it is     **Save the completed advert using a suitable file name and then email it along with your research task to** [**laura.powles@gloscol.ac.uk**](mailto:laura.powles@gloscol.ac.uk) **between June 30th and August 24th.** |

**What websites will help me?**

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| Teach ICT  gflearnfree.org/technology  techipedia.com  Code academy  You Tube |

**WHAT WILL I STUDY IN MY FIRST YEAR**

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| * Computer Systems * Website design * Basic coding * Animation * Digital portfolio for an online world |

**TOPICS INCLUDE**

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| * Being able to understand what a computer system is, the different components and uses and how computer systems are set up and how both hardware and software faults are repaired * How to use coding to produce a working product * How to use website building software to design and build a website |