A LEVEL TRANSITION PROJECTS

Thomas Deacon Academy

1. Emerging computer technology

Independent research task

In this task you get to investigate any area of emerging computer technology which interests you.

You can pick any area which interests you, but examples could be:

• Artificial intelligence

• Robotics

• Automated self-driving cars

• Quantum computing

In no more than ONE side of A4 summarise the area you have chosen under the following four headings:

1. What is it?

2. What are the possible Social, Moral, Cultural and Ethical benefits of this technology on society

3. What are the possible Social, Moral, Cultural and Ethical risks of this technology on society

4. My conclusion on this technology and what it will mean for our world 10 years from now

2. Augmented reality Task

Applying technical knowledge in context task

A key skill at A Level is being able to take a topic and then discuss it in the context of different scenarios.

Most theory-based exam questions will be asked in the form of a scenario, simply regurgitating what you know on the topic without contextualising your answer to the scenario will often result in low marks!

The topic for this exercise is "Augmented Reality". It is a truly fascinating area of technology which has the potential to change almost every aspect of our daily lives.

Watch this brief video to learn more:

https://www.youtube.com/watch?v=vQtwWzfzKXI

After watching the video Discuss the benefits, limitations and risks of augmented reality in the following contexts on a new slide or slides **discuss** the benefits, limitations and risks of augmented reality in the context of **each** of the following :

• Medicine & health care

• Gaming & entertainment

• Schools & learning

• Travel & tourism

• Social media

• Transport & navigation