

## L3 Certificate/Extended Certificate in Engineering Summer Bridging Task

The purpose of giving you a summer bridging task:

- i. To provide a bridge from level 2 to level 3 study, and lead into the early stages of the course
- ii. To engage you in independent learning which is required at level 3
- iii. To encourage you to develop your work ethic and commitment to study
- iv. To measure your suitability for the course and assess your initial levels of achievement

All of your work must be typed and clearly presented – please reference your work where possible.

**Task 1:** Define the following key terms and draw some diagrams to help explain the definition(30mins):

- Displacement
- Velocity
- Acceleration
- Gradient
- Acceleration due to gravity
- The Newton
- The Joule

**Task 2:** Produce a PowerPoint presentation to outline an area of Engineering that you find interesting. It can be something you learnt about at GCSE or from a documentary you have watched or a topic you have read about. You should include:

- Information about the topic
- What you find interesting about the topic
- What you would like to learn more about the topic