

## YEAR 11 SYSTEMS ORIENTATION WORK 2017 NAME.....

Use google to answer the following questions. Print off your answers and hand it in to your teacher at the end of the double. This assignment is also on the public drive in the Technology folder

- 1) What is a servo and what do they do?
- 2) Give 3 uses of a servo
- 3) What are continuous servos?
- 4) Copy and paste a photo of a servo
- 5) What is an arduino board? Copy and paste a photo of one
- 6) List 3 projects made with an arduino board
- 7) What is a picaxe board? Copy and paste a photo of one
- 8) List 3 projects made with a picaxe board
- 9) What does input process output mean. Explain with an example
- 10) Describe each of the following. Copy and paste a picture of each
  - a) pulley
  - b) gear
  - c) motor
  - d) LED
  - e) resistor
- 11) List 10 safety rules in the workshop
- 12) Make a safety poster using photos from the internet

### SYSTEMS HOLIDAY HOMEWORK 2017

Textbook Systems engineering complete these questions

Learning activity 1.1 Q1,2

Learning activity 1.4 Q1,2

Learning activity 1.5 Q1,2,3

Learning activity 1.6 Q1,2,3