Web Sites That You May Wish To Visit

- **BTEC Nationals - Engineering**
  https://bit.ly/2K2uEZa

- **University of Leicester**
  https://le.ac.uk/engineering

- **University of Loughborough**
  https://www.lboro.ac.uk/engineering/

- **Engineering UK**
  https://www.engineeringuk.com/

- **GreenPower - Inspiring Engineers**
  https://www.greenpower.co.uk/

- **Jaguar Landrover**
  https://bit.ly/2lqqJlw

- **Royal Air Force**
  https://www.raf.mod.uk/recruitment/engineering

- **The British Army**
  https://bit.ly/2QR66CU

- **Royal Navy Engineers**
  https://www.royalnavy.mod.uk/engineers

- **BAE Systems**
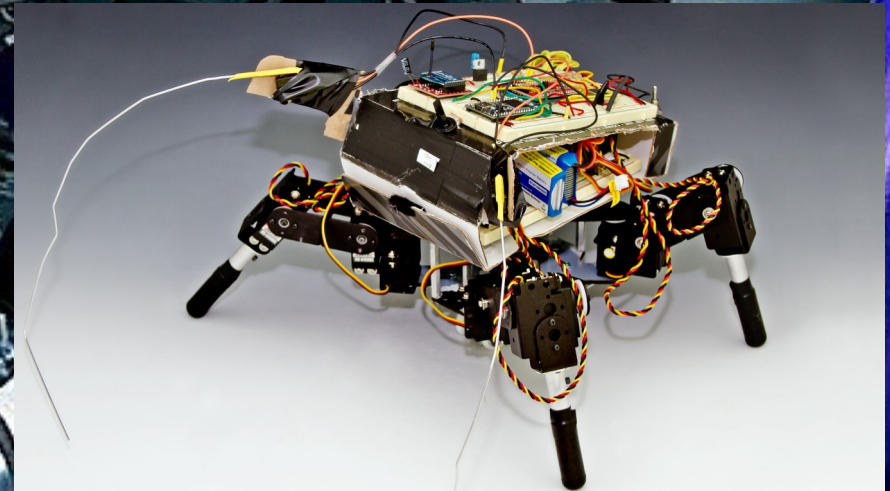 https://www.baesystems.com/en/careers/careers-in-the-uk

BTEC Engineering

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mv16

BTEC Engineering

SUMMER TASK 2019

mv16

Making The Future Better

This course is perfect if you would like to gain additional skills in a range of engineering disciplines. You'll cover electronic and mechanical engineering, opening up a huge range of careers. You'll learn more advanced skills to help you progress to a career in your choice of engineering specialisms. You can expect hands-on practical and theoretical learning using industry-standard technology and equipment.
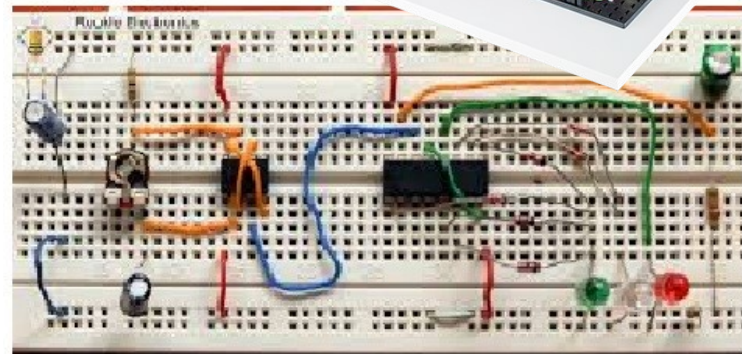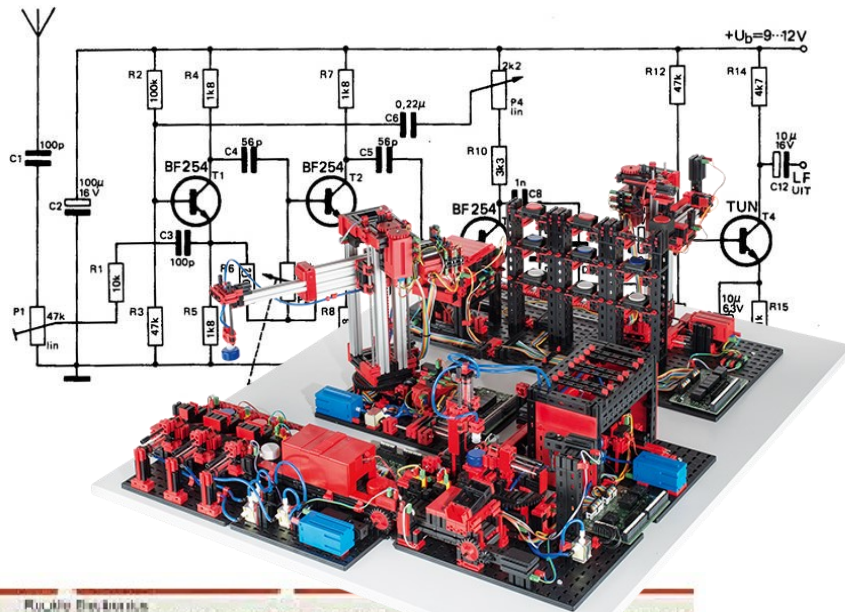
This week and also over the summer you are expected to complete some homework!

This Week

In a table, list all the **inputs, processes**, and **outputs** for
   (a) a desktop PC
   (b) a "bean to cup" coffee maker
   (c) a bicycle

Your answers should include a detailed description of each what and why you chose each input, process and output.

Over The Summer

System diagrams for electronic devices often have a 4 blocks. An input, a process, a **driver** and an output. Research why electronic circuits sometimes need drivers, and describe three circuits and/or components that require a driver. This work should total at least 500 words.

https://bit.ly/2ZcmL6J

Extension

Describe why and how an electronic driver is used within a robot!