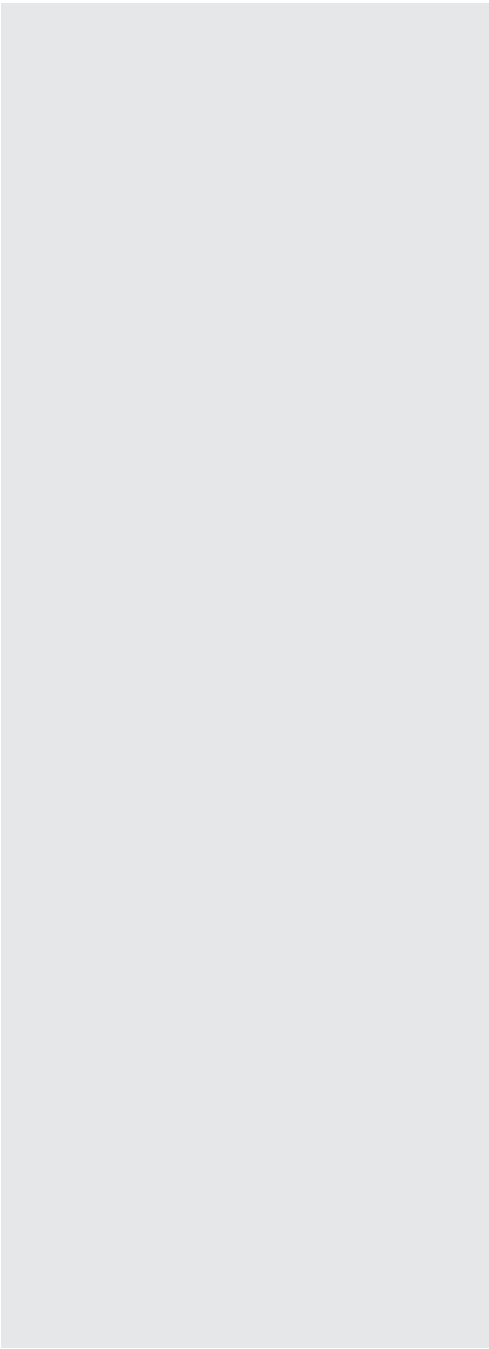


# CAREERS ACTIVITIES LINKED TO KEY INDUSTRY SECTORS

## ENGINEERING CAREERS ACTIVITY (KS3)



## SECTION 2

# ROUTES INTO ENGINEERING

Watch this short video to help you understand the 3 x different entry routes you could take to join the ENGINEERING sector.

Lets us explore these routes in more details.

Known as Tech levels or T-levels, these include qualifications such as BTECs and NVQs in engineering, ICT and construction & the built environment.

Vocational courses prepare you for a particular job, industry or sector. They are often very practical and may include coursework assignments related to real-work scenarios, as well as links with employers. Vocational courses are offered at different levels and can lead onto apprenticeships, higher education (university) and employment

**Research and answer the following questions about the TECHNICAL route into Engineering.**

1. Using the internet can you research and list the local colleges or training providers who offer T'level opportunities in Worcestershire?
2. Can you read the document by following the link below and list 5 x vocational qualifications which might be of interest to you?

3.

# THE APPRENTICESHIP ROUTE



Apprenticeships allow you to earn money, combining on-the-job training with study. They can open doors to a wide variety of engineering jobs and can be taken at different levels, including intermediate, higher and degree apprenticeships.

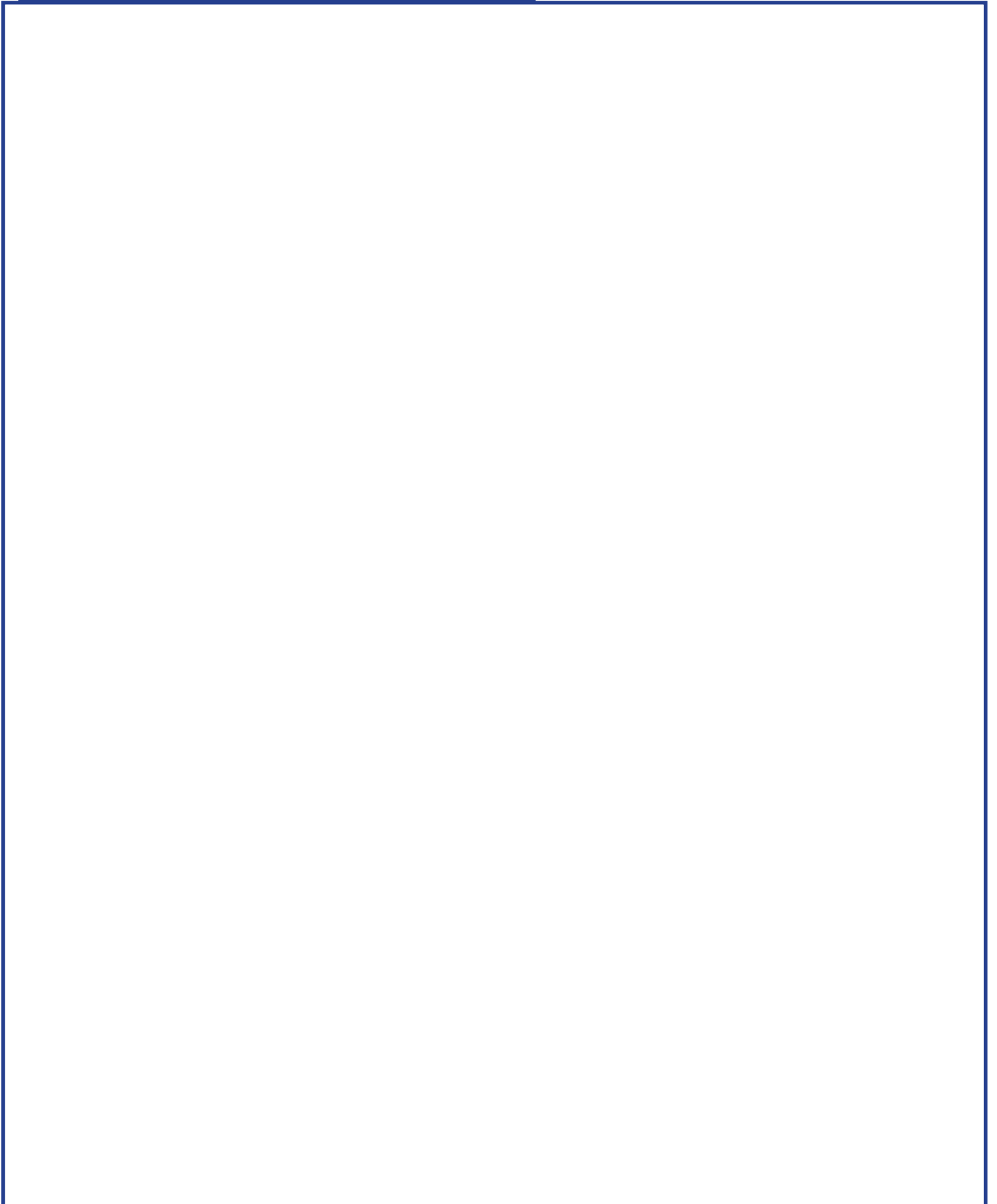
You will generally need a minimum of five GCSEs (or equivalent) including English, maths and science or technology subjects, often at grades 9 to 4 (A\* to C) due to competition for places.

**Research and answer the following questions about the APPRENTICESHIP route into Engineering.**

1. Using this [document](#) can you explore and list 5 key facts about engineering apprenticeships?

2. Using the internet can you research and list some companies in Worcestershire that offer Engineering Apprenticeships?  
Can you also provide details of what they produce?

3. What do you think are the benefits of choosing the APPRENTICESHIP ROUTE into Engineering?





## SECTION 2

### EXPLORING JOB PROFILES

To help you understand and obtain more information about a variety of these job roles you can begin to explore their "Job Profiles":

A job profile should give you key information about the role including entry routes, qualifications, potential earnings and the tasks the job involves.

Using this link can you explore the following [JOB PROFILES](#) and then answer these questions for each of the job roles?

## DESIGN ENGINEER

1. How many hours per week would you expect to work as a DESIGN ENGINEER?

2.

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# MANUFACTURING ENGINEER

1. How many hours per week would you expect to work as a MANUFACTURING ENGINEER?
2. Can you name the qualifications which might help you become a MANUFACTURING ENGINEER?
3. What would the starting salary be for a fully qualified MANUFACTURING ENGINEER?
4. Can you write a paragraph about the tasks you might be required to undertake as a MANUFACTURING ENGINEER?
5. Can you list 3 x employers in Worcestershire where you could be employed as a MANUFACTURING ENGINEER?

[Why not watch this short video about Craig Johnstone who is a Manufacturing Engineer working for Rolls-Royce.](#)

