CAREERS RELATED ACTIVITY LINKED TO STEM

STUDENT ACTIVITY (KS3)

There are many different pathways available to students for them to enter the world of work.

Whether you know exactly what job you want to do and how to get there, or whether you aren't sure just yet, the activities contained within this document will help you to expand your understanding of different job roles and industry sectors.

Work your way through the various Careers related activities contained within this document. At the start of EACH section you will be required to watch a short video or follow a web link to support your activity. Click on the links to the video / website next to each activity section. You should be able to watch the short video on your computer or mobile phone.

The focus of these careers activities is STEM and the potential careers related to this industry sector.
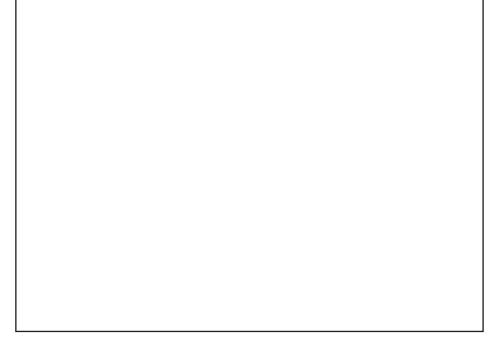
ACTIVITY PART 1
IGNITE YOUR FUTURE

www.youtube.com/watch?v=xBYkxZzt8-M

WHAT IS STEM?

> In your own words can you explain what STEM stands for?

> Having watched the video can you list as many of the INDUSTRY SECTORS as you can which were highlighted in the video?

> Can you list at least 10 job roles which you think could link to these industry sectors?

Worcestershire
Local Enterprise Partnership

THE CAREERS &
ENTERPRISE
COMPANY

ACTIVITY PART 2
JOB ROLES FOCUSING ON SCIENCE AND LINKING TO LABOUR MARKET INFORMATION

https://www.prospects.ac.uk/job-profiles/browse-a-to-z#section-A

In this section you will learn a little more about just a few of the job roles which link to the Science subjects you may study at school. You will also begin to understand how using Labour Market Information can help plan your career pathway.

Using the link above can you research the following job roles:

1) Adult Nurse
2) Vet
3) Research Scientist
4) Chemical Engineer

By using the link above, can you research each of the job roles and then write down in the sections below the following information:

1) Can you list at least 3 x qualifications you would need to hold for this role?

2) What would the average starting salary be for this role?

3) Can you list at least 5 key skills this job would require?

4) Can you list at least 2 x employers in Worcestershire who may offer this job role?

ADULT NURSE

1.

2.

3.

4.

VET

1.

2.

3.

4.

RESEARCH SCIENTIST

1.

2.

3.

4.

CHEMICAL ENGINEER

1.

2.

3.

4.

ACTIVITY PART 3
JOB ROLES FOCUSING ON TECHNOLOGY AND LINKING TO LABOUR MARKET INFORMATION

https://www.prospects.ac.uk/job-profiles/browse-a-to-z#section-A

In this section you will learn a little more about just a few of the job roles which link to the Technology. You will also begin to understand how using Labour Market Information can help plan your career pathway.

Using the link above can you research the following job roles:

1) Forensic Scientist
2) Web Developer
3) Cyber Security Analyst
4) Cad Technician

By using the link above, can you research each of the job roles and then write down in the sections below the following information:

1) Can you list at least 3 x qualifications you would need to hold for this role?
2) What would the average starting salary be for this role?
3) Can you list at least 5 key skills this job would require?
4) Can you list at least 2 x employers in Worcestershire who may offer this job role?

FORENSIC SCIENTIST

1.

2.

3.

4.

WEB DEVELOPER

1.

2.

3.

4.

CYBER SECURITY ANALYST

1.

2.

3.

4.

CAD TECHNICIAN

1.

2.

3.

4.

ACTIVITY PART 4
JOB ROLES FOCUSING ON ENGINEERING AND LINKING TO LABOUR MARKET INFORMATION

https://www.prospects.ac.uk/job-profiles/browse-a-to-z#section-A

In this section you will learn a little more about just a few of the job roles which link to the Engineering. You will also begin to understand how using Labour Market Information can help plan your career pathway.

Using the link above can you research the following job roles:

1) Manufacturing Engineer
2) Architect
3) Civil Engineer
4) Design Engineer

By using the link above, can you research each of the job roles and then write down in the sections below the following information:

1) Can you list at least 3 x qualifications you would need to hold for this role?
2) What would the average starting salary be for this role?
3) Can you list at least 5 key skills this job would require?
4) Can you list at least 2 x employers in Worcestershire who may offer this job role?

MANUFACTURING ENGINEER

1.

2.

3.

4.

ARCHITECT

1.

2.

3.

4.

CIVIL ENGINEER

1.

2.

3.

4.

DESIGN ENGINEER

1.

2.

3.

4.

JOB ROLES FOCUSING ON MATHS AND LINKING TO LABOUR MARKET INFORMATION

https://www.prospects.ac.uk/job-profiles/browse-a-to-z#section-A

In this section you will learn a little more about just a few of the job roles which link to the MATHMATICS. You will also begin to understand how using Labour Market Information can help plan your career pathway.

Using the link above can you research the following job roles:

1) Forensic Computer Analyst

2) Building Surveyor

3) Data Analyst

4) Meteorologists

By using the link above, can you research each of the job roles and then write down in the sections below the following information:

1) Can you list at least 3 x qualifications you would need to hold for this role?

2) What would the average starting salary be for this role?

3) Can you list at least 5 key skills this job would require?

4) Can you list at least 2 x employers in Worcestershire who may offer this job role?

FORENSIC COMPUTER ANALYST

1.

2.

3.

4.

BUILDING SURVEYOR

1.
2.
3.
4.

DATA ANALYST

1.
2.
3.
4.

METEOROLOGISTS

1.
2.
3.
4.