**KS3 Careers in STEM Postcards**

Supporting Information for Teachers

With the implementation of the new Gatsby Careers Benchmarks¹, teachers are expected to embed careers information in the classroom (Benchmark 4). Our KS3 Careers in STEM Postcards are an easy gateway to introduce your students to careers and local employers. The cards are available in both physical and digital formats, making them easy to incorporate into your own lessons, display in the classroom, or give out to students.

**Anatomy of the postcard**

Each postcard contains:

- **Why physics?**
  Physics is often seen as a ‘difficult’ subject to relate to jobs. These postcards not only enable teachers to showcase the importance of physics during their science lessons, but also to engage students earlier in conversations regarding their future subject options in school.

- **Why STEM attributes?**
  Students typically have limited knowledge of careers in STEM, and may find it difficult to picture themselves doing STEM jobs. Showcasing attributes helps a wide range of students identify with a job and the characteristics needed for it. Often students will already possess these attributes and characteristics.

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¹ [https://www.gatsby.org.uk/education/focus-areas/good-career-guidance](https://www.gatsby.org.uk/education/focus-areas/good-career-guidance)
The 15 STEM attributes

We selected these based on earlier work by the WISE Campaign and the Royal Academy of Engineering:

**Observant**
If you are observant you are quick to see things, you are able to spot fine details, and you are good at paying attention.

**Open-minded**
Open-minded people are willing to listen to new ideas and respect other people's views and opinions.

**Logical**
Logical people can solve problems by thinking through them in a sensible order. They understand how one action can lead to another.

**Creative**
Creative people make new things and have original ideas.

**Imaginative**
If you are imaginative, you can think of new and interesting ideas.

**Organised**
Organised people are good at planning to make sure they finish things.

**Patient**
If you are patient, you are able to stay calm when faced with problems.

**Resilient**
Resilient people can quickly recover from difficult or challenging situations.

**Communicator**
Communicators are good at sharing information and ideas with other people.

**Passionate**
Passionate people have strong feelings about things that interest them.

**Curious**
If you are curious, you want to learn new things.

**Self-motivated**
Self-motivated people like to do things for themselves without being told how to do them.

**Hard-working**
Hard-working people put all of their effort into finishing things.

**Tenacious**
If you are tenacious, you are able to stick with something difficult until it is finished.

**Collaborative**
Collaborative people work together to do things.

Curriculum-mapped careers

We've mapped how the Careers in STEM postcards relate to the KS3 curriculum:

**Forces**
- Speed
- Pilot
- Forces
- Animator
- Architectural Technologist
- Civil Engineer
- Environmental Planner
- Geophysicist
- Offshore Engineer
- Pilot
- Contact Forces
- Civil Engineer
- Offshore Engineer
- Pressure
- Audiologist
- Pilot
- Water Testing Analyst

**Electromagnets**
- Voltage and Resistance
- Electrician
- Current
- Electrician
- Magnetism
- Radiographer

**Matter**
- Particle Matter
- Nuclear Engineer
- Elements
- Biophysicist
- Civil Engineer
- Radiographer
- Water Testing Analyst

**Energy**
- Energy Costs
- Lighting Technician
- Energy Transfer
- Architectural Technologist
- Electrician
- Lighting Technician
- Telecommunications Engineer

**Reactions**
- Types of Reaction
- Food Technologist
- Water Testing Analyst

**Waves**
- Sound
- Audiologist
- Light
- Animator
- Architectural Technologist
- Lighting Technician
- Telecommunications Engineer
- Wave Properties
- Animator
- Audiologist
- Food Technologist
- Nuclear Engineer
- Radiographer
- Telecommunications Engineer

**Earth**
- Earth Structure
- Environmental Planner
- Geophysicist
- Offshore Engineer
- Earth Resources
- Environmental Planner
- Geophysicist

**Organisms**
- Movement
- Biophysicist
- Cells
- Biophysicist
- Digestion
- Food Technologist

**Contact us!**

We'd love to hear about how you’re using the postcards, your suggestions for improvements, or if you have any questions. Get in touch:

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You’ll find this and other STEM career resources at:

nustem.uk/careers