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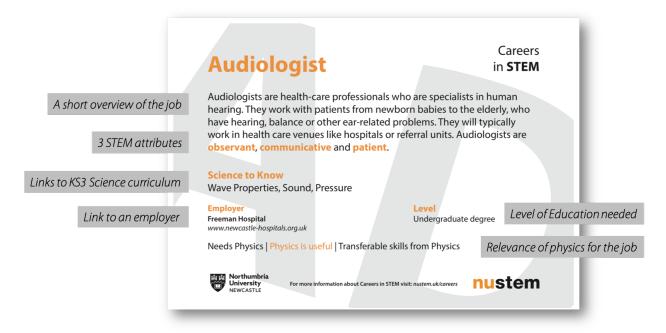
KS3 Careers in STEM Postcards

Guidance 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.



¹ 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 work to with something difficult things. 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

Water Testing Analyst

Electromagnets

Voltage and Resistance Electrician

Current

Electrician

Magnetism

Matter

Elements

Biophysicist

Civil Engineer

Radiographer

Water Testing Analyst

Particle Matter

Nuclear Engineer

Radiographer

Reactions

Energy

Electrician

Energy Costs

Lighting Technician

Lighting Technician

Architectural Technologist

Telecommunications Engineer

Energy Transfer

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



