

These activities will help students to think about careers related to physics as well as helping schools / colleges to meet Gatsby Benchmark 4

Meets specifications: AQA - 4.8.1 OCR—P8.3 Edexcel—Topic 7

Jobs in the Space Industry

1

Discuss jobs in the space industry and show video of [NASA Astrophysicist—Amber Straughn](#)
Students could be given time to research different jobs & careers related to space

2

Discuss university degree courses linked to space and show video of [Studying Physics at Queen Mary University of London](#)
Students could be given time to research different courses related to astronomy / astrophysics.

3

Discuss [apprenticeships](#) in the space industry that range from a lab scientist to a non-destructive testing engineer. Explain that there are different levels of apprenticeship & that higher apprenticeships end up leading to a similar level qualification to a university degree.
Students could be given time to research different levels of apprenticeships.

4

For higher level students you can introduce the idea of [MOOCs](#) (free, online courses) that can help a student decide if studying a higher level course is suitable. There are many different topics to choose from: e.g. [Atmospheric Chemistry: Planets and Life beyond Earth](#)—developed by the University of Leeds

5

Introduce the students to TED talks as these will help the students to decide if learning about space at university is something they would like to pursue. There are many relevant talks on Space and in particular [How we Study Space](#).

This one is particularly good when teaching about black holes: [How to take a picture of a black hole](#)

6

Homework Activity: Students could spend more time researching jobs / courses related to physics by using [Careerpilot](#) and feedback next lesson any that they are interested in

For more information on careers linked to physics go to:

<https://www.careerpilot.org.uk/job-sectors/subject/physics>

