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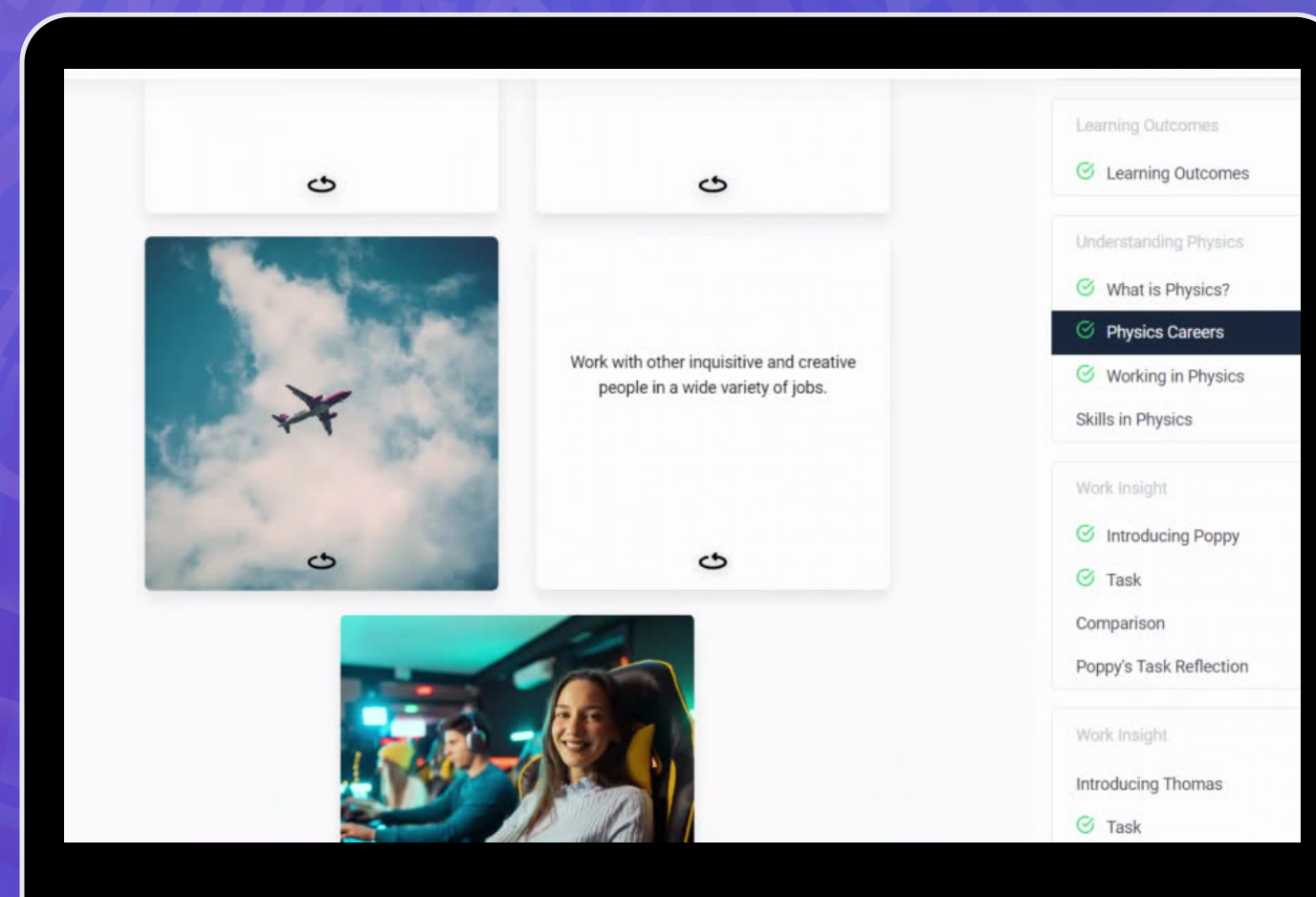
IOP Institute of Physics

Exploring the World of Physics: guidance for teachers

Physics is so much more than just rocket science, it can open up a whole new world of possibility for students who had never considered studying physics as an option for them.

Give your students the tools to discover this for themselves with, 'Exploring the World of Physics', Future First's virtual physics insight course.

- ✧ Students complete exercises at their own pace, easily tracking progress and evaluating learning as they go.
- ✧ Meet volunteers who have studied or work in physics and learn more about their job role.
- ✧ Understand the skills and qualifications needed to work in physics, across a wide range of careers and sectors.
- ✧ Complete real world tasks and activities set by employees from the world of physics.





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Who is this course for?

This course has been designed to spark an interest in physics, raise the profile of physics Careers and show students how the skills they are developing through their studies can enable future career options.

It is aimed at students in Year 9 or S2 upwards, with 'challenge' activities built in to stretch more confident learners, and hints and tips provided where extra support is needed.

How can students access the course?

Students can use the QR code to register directly and complete the course at their own pace, tracking their learning. They will create a log-in and will be able to log-in at home or at school/college. The site is mobile compatible so they do not need a computer at home to access the course.

Connections to curriculum learning

The course encompasses both careers education and Physics knowledge. It can therefore be incorporated into Science lessons, enrichment or PSHE sessions. The whole course takes around four hours, so could be completed using tutor sessions across a term or set as homework for students to complete independently.

Students are encouraged to 'work scientifically' and provided with three tasks set by people using physics skills day-to-day in their jobs. They will gain a deeper understanding of the physics career landscape, as well as an appreciation of how physics skills and knowledge can be applied in practice in a workplace environment.



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This course will introduce students to different careers in physics, and support them in considering the pathway they might pursue in the future. They will gain knowledge about physics and have an opportunity to demonstrate and develop key skills.

Once they've completed the pack they will be provided with a certificate which will spotlight the skills developed, and can be referenced on CVs and when making applications. For example:

"I completed the Future First 'Exploring the World of Physics' online course. Throughout the course I practiced reflection and self-evaluation and covered the following topics:

- *What is Physics? - strengthened my Physics knowledge and learnt new Physics terminology*
- *Physics Careers - reflected on my skillset and learnt how Physics skills relate to the world of work*
- *Work Insight tasks - learnt how to apply key Physics skills including: data analysis, communication and research"*



Go to pack now

