

Want to give your students an insight into the world of synthetic biology?

SynBio 4 Schools is a project that aims to complement the national curriculum and existing teaching resources by providing activities that cover under-represented topics in plant synthetic biology.

Synthetic biology practicals with a focus on plant science

Based around OpenPlant research from the University of Cambridge, Norwich Research Park and beyond, the SynBio 4 Schools booklet contains practical activities and lessons for GCSE and A-level students that teach the principles of synthetic biology, with a focus on plant science.



Adjustable practical guides for different age groups and abilities.



Supplementary articles and case studies that put topics into real-world context.



Supporting materials for teachers (links to publications and resources).

SynBio 4 Schools also includes a guide specifically for teachers showing where topics align with the curriculum.

Topics covered:

- **Building DNA Circuits**
- **Generating electricity from plants**
- **What can viruses do for you?**
- **Natural product synthesis**

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