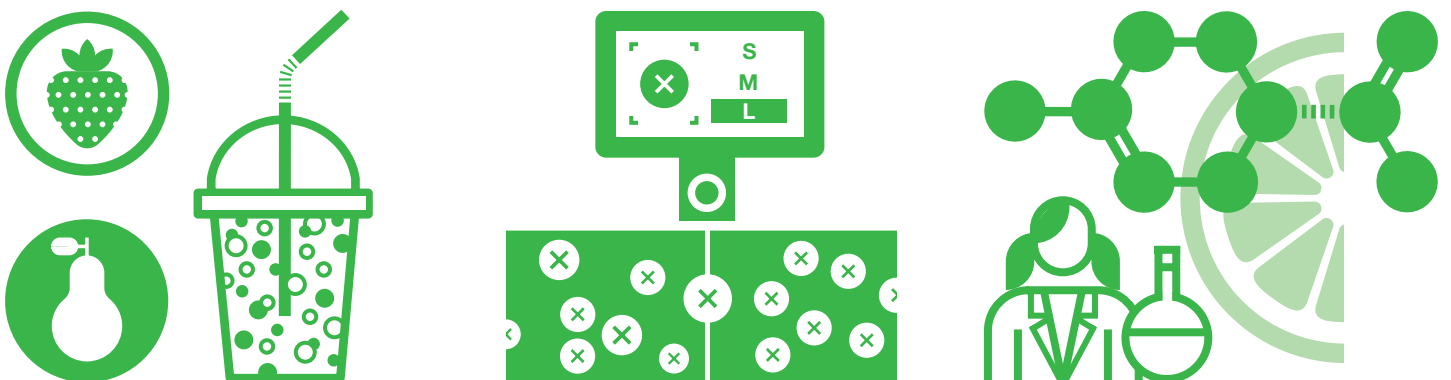


# FutureFood

A free, 3-week online course designed for 16-19 year olds



### Course title:

Improving Food Production with Agricultural Technology and Plant Biotechnology

### Study:

3 hours per week

### Duration:

3 weeks

Are you looking for free resources to recommend to your students who want to boost their science knowledge or enhance their university applications? Designed to extend beyond curricula, 'Improving Food Production with Agricultural Technology and Plant Biotechnology' takes students on a journey through the plant-based food production system, from growing to harvesting to food processing. Students will discover how science and technology are innovating food production to solve some of the biggest challenges in global food security.

### Who developed the course?

The University of Cambridge (with support from Science and Plants for Schools) with the Universidad Autónoma de Madrid, the Spanish National Research Council, and industry experts John Deere, Herbreith & Fox and Koppert Biological Systems.

### Who is it for?

Students aged 16–19 interested in studying science at university or pursuing careers in the areas covered by the course. Students with an interest in biological sciences, technology or agriculture will find it especially interesting, but anyone is free to join!

### What will students learn?

#### Week 1: Plant Biotechnology

How can biotechnology be used to improve crops, and what are the alternatives?

#### Week 2: Agricultural Technology

What high-tech machines are being used today on fields, and what will the farm of the future look like?

#### Week 3: Applied Food Science

How is food processed after the harvest, and what are scientists doing to improve food?

### Benefits for students

- A variety of learning formats: articles, videos and interactive activities
- Interviews with researchers and industry experts, providing careers inspiration
- 6 case studies providing context for the science, including genetically modified wheat and a robotic weeding machine
- Videos can be downloaded and saved for free
- Social learning creates a fun, collaborative experience
- Dedicated course team to answer students' questions
- Flexible learning: 3 hours per week can fit around other studies and extracurricular activities
- Can be included in personal statements to stand out from the crowd
- All content can be accessed for 3 weeks after the live course has finished

### When and how students can join

The course is hosted by online learning website FutureLearn. To find out more go to the FutureLearn website [www.futurelearn.com](http://www.futurelearn.com) and search 'improving food production'.



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Enrol now

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improving food production