



**UK Atomic  
Energy  
Authority**

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Dear Teacher,

### **Outreach: Fusion Energy in Education**

We are delighted that you are interested in teaching your students about the world of fusion energy!

Our aim as the Outreach team for UKAEA is to inspire and educate the next generation through engaging workshops and interactive events. With the support of teachers like yourself, we can reach an audience of children to help them grasp the science behind fusion, form a broader understanding of the world, and maybe even get students thinking about a future career in STEM!

### **Video resources**

Below are some links you may find useful to introduce the topic of fusion energy to your students:

- [\(122\) Introducing Fusion Energy - YouTube](#) 1:26  
A snappy, exciting introduction to the concept of fusion.  
Suitability: all ages.
- [JET Fusion Experiment: The Hottest Place in the Solar System](#) 0:57  
A look inside the JET fusion machine during a fusion experiment. This particular experiment was filmed in 2016 and shows how plasma reacts under low power conditions.  
Suitability: all ages.
- [Mega Amp Spherical Tokamak \(MAST\) Upgrade first plasma in slow motion](#) 1:01  
A slowed down video of a fusion experiment within the Mega Amp Spherical Tokamak Upgrade (MAST Upgrade) based at the Culham Campus. The video shows the machine's first official test.  
Suitability: all ages.
- [Fuelling fusion power](#) 3:30  
A longer overview of fusion power including how its fuel is sourced, used and its impact.  
Suitability: Secondary schools and colleges

### **Workshops**

Accompanied with this letter are three of our workshops which include everything you need to consolidate your teaching. Workshop packs include curriculum links, activity ideas, equipment lists and risk assessments.

### **Sign up to find out more**

We hope you enjoy sharing our resources with your class. If you would like to find out more about future resources and events, please sign up to our [teacher mailing list](#).

Yours sincerely

The UKAEA Outreach Team