

**Levels : Second & Third**  
**Maximum Number of Pupils: 40**

**Duration: 60 mins**

### What to Expect

This interactive show allows pupils to explore space and aspects of physical science through the science stories of the Science and Technology Facilities Council (STFC).

Pupils will be taken on a journey through the electromagnetic spectrum and use exciting technology to investigate different aspects of the spectrum all with a focus on real world applications of the science.

### What is Covered

- Atoms and subatomic particles
- Static electricity
- Visible light and lasers
- Infra red radiation
- Ultra violet radiation

### Curriculum for Excellence links

We have identified the Curriculum for Excellence experiences and outcomes to which this workshop can most significantly contribute.

#### Second Level SCN 2-20a

Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society.

#### Second Level LIT 2-02a

When I engage with others, I can respond in ways appropriate to my role, show that I value others' contributions and use these to build on thinking.

**Third Level**  
**SCN 3-11a**

By exploring the refraction of light when passed through different materials, lenses and prisms, I can explain how light can be used in a variety of applications

**Third Level**  
**SCN 3-11b**

By exploring radiations beyond the visible, I can describe a selected application, discussing the advantages and limitations.

**Third Level**  
**SCN 3-11a**

When I engage with others, I can make a relevant contribution, encourage others to contribute and acknowledge that they have the right to hold a different opinion. I can respond in ways appropriate to my role and use contributions to reflect on, clarify or adapt thinking.