

## 2100 – A Waste Odyssey

### Workshop description:

A fun workshop looking at how the rubbish we create now could cause a wide range of major environmental problems in the future. Students think about the preventative measures that we should currently be working on.

### Summary of workshop:

- Matching activity with giant test-tubes of rubbish.
- Jigsaw activity to show causes and consequences.
- Presentation to show environmental problems and solutions.

**Time:** 50mins – 1hr10mins

**Number of students:** 18-60

**Suitable for years:** 7-9

### Misconceptions:

- Driving to a recycling centre uses lots of fuel so we are better off putting the rubbish in the bin.
- That there's no harm in buying lots of cheap plastic toys and electronic gadgets that soon break or only get used for a short time before we get bored and move on to the next thing.
- That climate change will make the UK's weather nicer.

### Learning outcomes

By the end of the workshop pupils should be able to:

- Explain at least one way that the rubbish we throw away now could cause problems in the future.
- Give at least one action they can take to try and reduce the risk of future problems.

**Vocabulary:** KS3 – Landfill, incineration, methane, leachate, reduce, reuse, recycle,

**Resources:** (All supplied by SWAP unless stated otherwise.)

Projector and laptop **or memory stick if the school has the necessary ICT system in place.**

Giant test tubes each containing a different type of rubbish.

Jigsaw pieces.

Jigsaw sheet.

Duct tape and drawing pins.

**Notice board**

### Duration

2mins

*(5mins)*

5mins

3mins

12-15mins

3-6mins

7mins

18-22mins

*(5mins)*

### Teaching and Learning activities:

Introduce myself, SWAP and what we will be doing in this workshop.

*(optional-get students to think about what they would like the future to be like)*

Presentation showing where our rubbish ends up at the moments.

Explain activity, hand out test-tubes and worksheets.

Matching up activity; students work in teams to work out which test-tube of rubbish could cause which problem in the future.

Go through the answers, hand out the jigsaw pieces and explain how to complete the jigsaw.

Jigsaw activity; students work in teams to decide which of their 7 jigsaw pieces are needed to make up the complete class jigsaw.

Explain the jigsaw to the whole class using a presentation to illustrate how the rubbish could cause problems in the future and the actions that the students can take now to try and prevent further damage to the environment.

*(optional- Look back at the comments that students made at the beginning of the session, do they think their vision could be a reality if we carry on as we are?)*