

## PRIMARY PRESENTATION – NOTES

The below outlines presenter notes to be utilised when sharing the developed *Futures* primary presentation. Please note they are provided as a guide with the opportunity to expand upon if needed.

**[SLIDE 2]** This is happening because of people and the things we do - like burning oil, coal and gas. These are called fossil fuels and they create something known as greenhouse gases, which are trapping heat in the Earth's atmosphere.

**[SLIDE 3]** *Q. What species do you think might be at risk of extinction due to climate change?*

**[SLIDE 4]** Climate change increases pollution, and damages the air we breathe. It also affects the weather – causing floods, high winds, heatwaves and droughts.

**[SLIDE 5]** *Note (optional activity):* Gather ideas from the class as to what other changes they can make.

- Turning off lights when we leave a room
- Turning off the tap when we brush our teeth
- Walking or cycling to school
- Having a shower instead of a bath
- Recycling waste like paper, glass and plastic bottles

**[SLIDE 6]** Fossil fuels (oil, coal and gas) are types of non-renewable energy and will eventually run out. They also release greenhouse gasses like carbon. We need to switch to low-carbon types of energy that don't run out.

**[SLIDE 7]** Wind energy: Opportunity to discuss and expand on this source of energy time permitting.

**[SLIDE 8]** Solar energy: Opportunity to discuss and expand on this source of energy time permitting.

**[SLIDE 9]** Tidal energy: Opportunity to discuss and expand on this source of energy time permitting.

**[SLIDE 10]** Nuclear energy: Opportunity to discuss and expand on this source of energy time permitting. Remember only a small amount of uranium is needed to produce a lot of energy, which might be interesting to explain to the pupils.

### **[SLIDE 11]**

Nuclear energy is stored in the nucleus, or centre, of an atom. Nuclear power plants use a process called fission to make electricity by splitting the nucleus of atoms. The extra energy generates heat, which is used to boil water into steam to create electricity.