

# Hinkley Point C Inspire Assembly for KS2

Presentation slides overview

## NOT PROTECTIVELY MARKED

Version 1 October 2019

**Opening slide:** This is an assembly from HPC Inspire that explains how the new power station being built at Hinkley Point C (HPC) will generate electricity – and what types of jobs will be available when today’s KS2 children come to leave school.

**Slide 2:** There’s a whole world of exciting career possibilities out there for today’s children – and it’s never too early to think about them.

**Slide 3:** This is a CGI representation of what HPC will look like when complete.

**Slide 4:** At the moment, HPC is still a building site! But we have most of the foundations in place and are now building above ground.

**Slide 5:** HPC will generate enough electricity for 6 million people: two times the population of Wales!

**Slide 6:** Are you listening at the back?

**Slide 7:** We’ll be having a quick quiz at the end to see how much you can remember from the presentation.

**Slide 8:** What do you know about electricity? Electricity is created when tiny invisible things called electrons move. This flow is called an electric current.

**Slide 9:** These are pylons and they carry the electric current above ground. Electricity can also be carried underground through pipes.

**Slide 10:** We use electricity for all sorts of things: 1) voice-activated devices, like Amazon Echo; 2) lamps and lighting (including smart lights we control with our phones); 3) charging mobile phones and other devices; and 4) you can expect to see more of us charging our electric cars at home in the future too.

**Slide 11:** Can you name some of the things you’ve done this morning that used electricity? (You could ask children to raise their hands).

**Slide 12:** How do we produce electricity?

**Slide 13:** There are lots of ways in which we can generate electricity: solar (from the sun through solar panels), gas (a fossil fuel), hydro (from water), nuclear (from a metal called uranium), wind (through wind turbines) and coal (another fossil fuel).

**Slide 14:** When HPC starts operating, we’ll be generating electricity from nuclear power.

**Slide 15:** How we generate electricity from nuclear power is different to how electricity is generated from coal and gas.

**Slide 16:** This virtual reality film explains how nuclear fission happens by recreating what happens inside a nuclear reactor:  
<https://www.youtube.com/watch?v=6K5gy3RLcKc&t=>

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**Slide 17:** Do you know what's also special about nuclear power?

**Slide 18:** It's low-carbon.

**Slide 19:** It's low-carbon because the electricity we'll generate from nuclear power at HPC won't release any gases that can harm our planet – unlike burning fossil fuels (coal and gas) to produce electricity.

**Slide 20:** You're too young to get a job at HPC right now

**Slide 21:** ...But by the time HPC is built, you'll be thinking about getting a job or going to university/college!

**Slide 22:** Wanted...

**Slide 23:** We'll want people working at HPC who enjoy:

- ✓ Knowing how things work
- ✓ Solving problems
- ✓ Working with other people
- ✓ Science, Technology, Maths
- ✓ ... and more.

**Slide 24:** This is a CGI shot of what HPC will look like when it's finished.

**Slide 25:** And these are all the people we'll need to work here.

Slide 26: There are going to be all sorts of cool and interesting jobs in the future.

**Slide 27:** Imagine a job where you... Create virtual worlds; Design state-of-the-art nuclear equipment; Code robots to fix machines; Develop cutting-edge safety tools; Manage an entire power station.

**Slide 28:** What job will YOU do when you're older?

**Slide 29:** Quiz time!

**Slide 30:** How many homes will HPC provide electricity for?

- 1) 2 million
- 2) 4 million
- 3) 6 million

**Slide 31:** A. 3) 6 million

**Slide 32:** Electricity is created when tiny things called WHAT move?

- 1) Atoms
- 2) Electrons
- 3) Sparks

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**Slide 33:** A. 2) Electrons

**Slide 34:** At HPC, we'll be generating electricity from WHAT?

- 1) Coal
- 2) Nuclear power
- 3) Rubbish

**Slide 35:** A. 2) Nuclear power

**Slide 36:** Feedback questions for students:

Q. Raise your hand if you know more now about:

- 1) Hinkley Point C?
- 2) EDF Energy?
- 3) Careers in the nuclear industry?

Students can also share their feedback with us at

<https://www.surveymonkey.co.uk/r/GH9XGCJ>

**Slide 37:** Thank you

Find out more about HPC Inspire at [www.edfenergy.com/hinkley-point-c](http://www.edfenergy.com/hinkley-point-c)

Please share your feedback with us on this presentation so we can improve our resources at <https://www.surveymonkey.co.uk/r/GHGVMSS>