Hinkley Point C Inspire Assembly for KS2

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