



Teacher Resource

Nuclear Power

Focus Questions

Discuss the BTN High story as a class and record the main points of discussion. Students will then respond to the following:

1. What is nuclear power? Explain in a paragraph.
2. What are the advantages of nuclear power?
3. What are the disadvantages?
4. How would you feel if you found out there were plans to build a nuclear power plant in your town or city?
5. What do you think would be the repercussions, if any, in the community?

Activities

- Research nuclear power, then create an interactive diagram or build a model showing how a nuclear power plant operates.
- Design and create a 3D model that explains what nuclear fission is.
- 'Nuclear power is the future'. Write an essay on whether you agree or disagree with this statement, highlighting the advantages and disadvantages of nuclear energy.

EPISODE 1

26th June 2024

KEY LEARNING

Students will learn how nuclear power plants work, and explore the advantages of disadvantages of nuclear power.

CURRICULUM

[Physics – Unit 1 \(v8.4\)](#)

[Physics – Unit 1 \(v8.4\)](#)

[Physics – Unit 1 \(v8.4\)](#)

[Science – Year 9 \(v9.0\)](#)

[History – Year 10 \(v9.0\)](#)