

# Energy from Waste Topic Overview



**Overview:** The Schools Programme will be led by the North London Waste Authority and partner organisations who have been procured for the construction of the North London Heat and Power Project.

This note provides an overview of the 'Energy from Waste' session that can be delivered to students in Key Stage 4 or 5 to stimulate interest in STEM subjects and careers in the engineering, construction and built environment industry.



**Aim:** To introduce students to the process of production of energy from waste, including comparisons to other sources of energy, and its environmental and climate benefits.

**Description:** Understanding the process of producing energy from waste, exploring its environmental and climate benefits as well as how the process compares to other sources of energy. This will include an overview of the EcoPark and Energy Recovery Facility being built as part of the North London Heat and Power Project.

## Session Content\*:

- Interactive presentation providing an overview of the EcoPark and Energy Recovery facility, including;
  - Role of the EcoPark including videos of the site and how it will operate
  - Energy from Waste process and it's product
  - Climate and environmental benefits
- Activity session, could be: marshmallow structure, debate

*\*Please note that content and duration of sessions are flexible and can be changed to be suited to what the school would prefer be included. Sessions should be booked at least 2 weeks in advance.*

**Session Duration:** approx. 45 minutes.

**Curriculum Links:** Physics (fuel use and costs, fuels and energy resources), Chemistry (the carbon cycle, carbon dioxide and impact on the climate)

**Link to relevant Gatsby Benchmarks:** Benchmark 4 (Linking curriculum learning to careers), Benchmark 5 (Encounters with employers and employees)

For further enquiries and to book a session please contact:  
[info@northlondonheatandpower.london](mailto:info@northlondonheatandpower.london)