

Energy3D

AI & Sustainability Level 3

Duration

AM Session

9:30 – 11:30am

PM Session

12:00 – 2:00pm

Session timings may be adjusted slightly to suit school calendars between the hours of 9:30 – 2:30.

Curriculum Level

This program is suitable for students from level 7 to level 12.

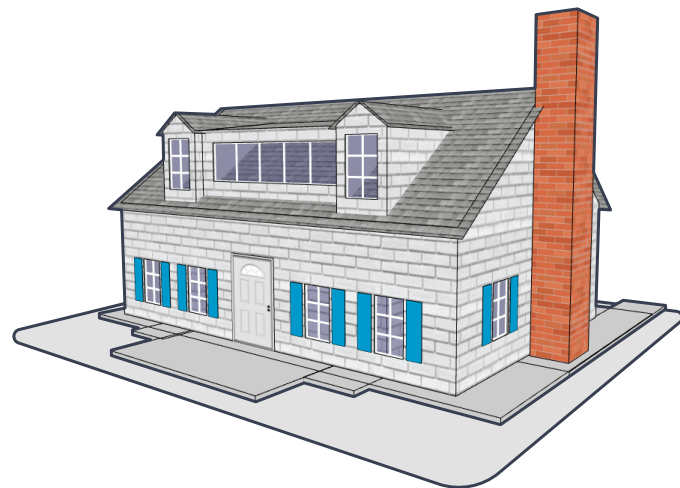
Class Size

1 Class: 28 students



Energy3D is a simulation-based engineering tool for designing green buildings (or renewable-energy power stations). In this session, you will learn how to build a 3D model of a house using Energy3D, analyse its energy usage, and explore different changes you could make, in a structured way, to be more energy efficient.

- Sustainable Housing
- Weather Analysis
- Simulation Testing
- Career Pathways



AI & Sustainability

Level 1A Google Home & Motion Capture

Introduction to Google Home. Assemble your own Google Home and ask it questions, including motion capture. *Releasing Term 3.*

Level 1B Google Home Programming

Level 2A Recycling Kit

Use the Plastic Recycling Kit to recycle material and use the renewable and STELR to create a sustainable Village.

Level 2B STELR Kits

Level 3 Energy3D

Use Energy 3D to create a House model, add solar panels and carry out energy analysis.