








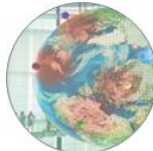


Sustain/Ed Learning Module

The *Sustain/Ed Learning Module (SELM)* is a multidisciplinary toolbox for primary school students, teaching the future of energy, climate and sustainability. *SELM* encourages students to approach these issues in a holistic manner through lessons, activities, discussions, challenges, and quizzes. The module aids in the development of student leaders by providing interactive experiments of which they can take ownership.

The objective is to ensure that students understand the importance of the energy transition which will be ongoing over their lifetimes. The energy transition will involve: (i) switching from high-carbon-emission energy resources (i.e. coal/gas) to low-carbon (i.e. wind/solar) natural resources; (ii) electrifying transportation (i.e. electric vehicles, trains, bikes, buses); (iii) highly efficient homes; and much more!

Our mission is to provide all students at a critical learning age with knowledge to generate progressive and innovative ideas, enabling them to renovate the world to their own modern and compassionate vision.

1. Sustainable learning 	2. Defining Energy 	3. People & Power 	4. Power Units 
5. Renewable Energy 	6. Nature 	7. Inventions 	8. Our world 2050 

The module consists of 8 chapters which each typically contains 2 x 45 minute lessons - see the following page for a weekly breakdown which details all the documents required during that week.

The target age group of this engagement is 7-11 years old (Key Stage 2 in England and Wales). At this learning stage, students are able to grasp the concepts outlined above while forming their own opinions and applying their creativity on the broader themes. There is sufficient flexibility in the Key Stage 2 framework to shape the lesson themes and maintain/combine the subject-by-subject teaching requirements. The module will contribute to the advancement of each student by fulfilling Key Stage 2 curriculum requirements.

Sustain/Ed Learning Module Breakdown - Teachers guide to the module structure

Week 1:

- Module questionnaire (students will complete this again at the end of the module - see “Module questionnaire Explainer” for more information)
- Energy Mapping Challenge begins (see “Instruction Booklet” and “Chapter2b_Instructions for logging_EnergyMappingChallenge”)
- Chapter 1 word doc
- Chapter 1 PPT
- [Teacher chapter feedback link](#) (90 second online survey)

Week 2:

- Chapter 2 word doc
- Chapter 2a PPT
- Chapter 2b PPT
- Chapter 2c PTT
- [Teacher chapter feedback](#)

Week 3:

- Chapter 3 word doc
- Chapter 3a PPT
- Chapter 3b PPT
- Progress Quiz 1
- [Teacher chapter feedback](#)

Week 4:

- Chapter 4 word doc
- Chapter 4a PPT
- Chapter 4b PPT
- [Teacher chapter feedback](#)

Week 5:

- Chapter 5 word doc
- Chapter 5a PPT
- Chapter 5b PPT
- Progress Quiz 2
- [Teacher chapter feedback](#)

Week 6:

- Chapter 6 word doc
- Chapter 6a PPT
- Chapter 6b PPT
- [Teacher chapter feedback](#)

Week 7:

- Chapter 7 word doc
- Chapter 7a PPT
- Chapter 7b PPT
- [Teacher chapter feedback](#)

Week 8:

- Chapter 8 word doc
- Chapter 8a and b PPT
- Progress Quiz 3
- [Teacher chapter feedback](#)

Additional resources:

- Module vocabulary list
- Chapter word mats (provided at the start of each PPT)