

# Bring solar energy and education for sustainability within reach of your school today

Welcome to the future of sustainability education



Powered by



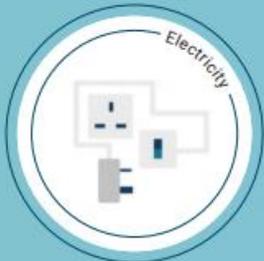
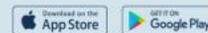
Class Workshops



Solar System Designer



Downloadable App



## Three domains of plenary education for sustainability:

We aim to educate on energy efficiency and sustainability using a principles and values based thinking programme developed and supported by experts in their field so students may develop understanding for why the New Zealand government has declared a climate emergency today.

**Solar System Designer** - Student-led action for creating realistic solar energy system designs. Use online or in our App students experience what its like to design and perfect by analysis the performance of a solar energy system for their school bringing to life the savings made in the school's energy consumption profile and seeing change impacting carbon emission reduction.

**Downloadable App** - an interactive student teaching App with a comprehensive set of subjects. Developed by international experts students enjoy the engaging gaming-style learning tool that talks to them in their language and instils an understanding about their environment, energy efficiency and solar energy, provided with a curriculum-linked e-guide booklets to support for teachers. Included are animations, illustrations, videos, quizzes and more. To keep the learning experience engaging students compete against other classes, or other schools by posting their progress on a leaders board unlocking reward characters. It's learning in disguise!

**90% of students said they like using the app for learning, and 80% would recommend us to a friend\***

*\*Data collected during beta testing with students across 100 schools*

**Class Workshops** – enhancing in-class student education funded by the sun

Once a school has an operating solar energy system we provide hands-on education packages about energy and sustainability linking-in examples using the solar panels on your school roof.

**If your school does not have a photovoltaic system, the Clean Energy Schools Trust can assist provide one cost-neutral to you\***

*\*Reduce your carbon footprint and empower your pupils with solar.*

Because energy education is multifaceted and can be taught throughout the curriculum, the goal of our educational programme is to provide your school's teaching staff the support they need to integrate solar energy and sustainability into their lessons. Utilising real-life solar energy systems as the educational instrument, our materials and tools enable action-based learning about energy, environment, regeneration and decarbonisation in the classroom.

## Free curriculum support by industry professionals:

The complete plenary education for sustainability aims to develop scientific knowledge and conceptual understanding of the energy aspect of the physics national curriculum, as well as significant elements of chemistry and biology. Skills from the English and maths curricula are utilised. Geography, history, RE and citizenship strands reinforce the cross curricular nature of the world's energy problem. Inspiring students by reducing climate anxiety are key outcomes.

To adopt the education for sustainability programme for your school please talk to one of our industry professionals who will help to integrate elements of the programme with your school's curriculum, whether that is one or all of our in-class, online or app-based teaching resources covering the complete range of subjects on the environment and energy efficiency.

*- we are ready when you are to make a positive change for the future.*

Solar for Schools NZ is sponsored by Engynious NZ which is a part of the international solar energy professional design services group.



As a Not-for-profit in the United Kingdom, and now in five more countries, Solar For Schools' goal is to have 250,000 students engaged in sustainability learning within two years.



As a Design and Project Services company, Engynious procures solar energy funding while helping schools choose their own vendors

# Engynious is a foundation sponsor of the Internationally Recognised Solar-for-Schools Community

Our <b>216</b> schools worldwide	who are saving <b>7,176 t</b> of CO2	and inspiring <b>95,603</b> students
----------------------------------------	--------------------------------------------	--------------------------------------------

Powered by



With membership to this community New Zealand schools can gain access to an international Solar-for-School Programme established to make solar energy and education for sustainability within reach of all schools today.

-  Community for Curriculum Enrichment
-  Community for Publishing Lessons-Learnt
-  Community for Solar Project Financing
-  Community for Solar Project Procurement
-  Community for Project Delivery Best Practice

## New Zealand Solar-for-Schools Community

“To host the Solar-for-Schools Community for New Zealand schools was an obvious choice for Engynious given the sheer scale of transformation ahead to clean solar energy & energy efficiency that is best faced by schools together and for students having accessible climate change education that brings learning to life”

The New Zealand branch of the international community is in the process of being established and once operating it will act for the benefit of its school membership as an independent vendor-neutral organisation, meaning it works for schools to share lessons-learnt as they adopt education for sustainability into their curriculum and to ensure their funded solar energy projects are competitively priced with minimum fuss that results in an optimum performance outcome.

Modelled on the UK Solar-for-Schools Community Benefit Society it will be established as a charitable trust governed by schools and respected leaders. Supported by Engynious NZ who is to provide a senior expert with extensive experience in running a large technology transformation centre of excellence.

- Some of the activities membership of the community will benefit from include:
- ❖ A transformation centre of excellence run by schools independent of vendors
  - ❖ Access to international award-winning climate change & energy education
  - ❖ Shared teacher support to integrate the Student App into school curriculums
  - ❖ Free analysis of energy consumption after moving to LED lighting or HVAC
  - ❖ Free expert design services so a school can know costs & saving from solar
  - ❖ Regular news publication sharing lessons learnt across the membership base
  - ❖ Seek sponsorship to support learning development & solar energy projects

### Myth Busting Barriers to Change

- Schools not equipped:** We all face the biggest transformation of modern time, communities and students must work together under a shared support vehicle, see the New Zealand Solar-for-Schools Community as such a support vehicle
- Students not interested:** With our government’s climate emergency declaration students are being exposed to the impacts of climate change, please see [beehive.govt.nz/release/new-zealand-government-declare-climate-emergency](http://beehive.govt.nz/release/new-zealand-government-declare-climate-emergency)
- We don't need more renewable energy:** Transpower New Zealand makes the case for why we need solar energy now, please see [transpower.co.nz/about-us/transmission-tomorrow/sun-rises-solar-energy-future](http://transpower.co.nz/about-us/transmission-tomorrow/sun-rises-solar-energy-future)
- Engynious is a vendor:** Engynious NZ as a Design & Project Services company assists schools fund solar energy projects, it doesn't sell solar panels or system

## A Network Governed by Schools, Serving Schools & Students

### Students can make sense of the climate emergency today

#### Sustainability Education & Solar Energy Design Tools For Students In The Solar-For-Schools Community

- ✓ Students have access to a learning App written by experts in their terms covering Energy; Electricity; Environment; Efficiency
- ✓ Students get to design an active solar energy system for their school bringing to life the savings made in carbon emissions
- ✓ Students get to use learning tools designed for international school use that will be further developed by the NZ community

### Schools can bring sustainability education & solar energy within reach

#### Climate Change & Solar Energy Development Support Programme For Principals In The Solar-For-Schools Community

- ✓ Principals have access to the Solar-for-Schools education for sustainability programme that is modelled off the UK version
- ✓ Principals can have their school validated for funding of a solar energy project using a free design and financial analysis service
- ✓ Principals are supported by international experts and teaching resources that will be further developed by the NZ community

## Join The New Zealand Solar-for-Schools Community

### A community of schools networking to address the climate emergency & transformation to clean energy

- ✓ Members will have access to the full New Zealand Solar-for-Schools programme that has been modelled off the UK version
- ✓ Members will share the ongoing development of the education for sustainability teaching resources to meet curriculum needs
- ✓ Members will share solar energy project experience and vendor engagement to reduce costs of the solar energy transformation
- ✓ As an independent, vendor neutral charitable trust the role of community will attract sponsorship funds to assist it's purpose



To join the community go to [Engynious.co.nz](http://Engynious.co.nz)  
**Sustainable Clean Energy Networks**  
 Proudly sponsored by  