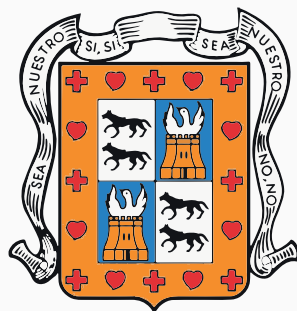


The Greenpower Education Trust's objective is to advance education in the subjects of sustainable engineering and technology to young people.



Greenpower
INSPIRING ENGINEERS

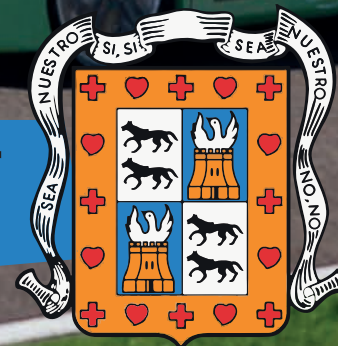
THE STEAM STRATEGY

A PRIORITY
FOR SCHOOLS
THAT ARE COMMITTED
TO INNOVATION



Colegio Gaztelueta.
Barrio de Artaza, 87.
48940 Bizkaia
T. 94 463 30 00
www.gaztelueta.com

**Greenpower
Gaztelueta**



Greenpower

INSPIRING ENGINEERS



Greenpower Education Trust's challenge, to design, build and race a single seat electric car, provides young people with a unique, hands on opportunity to develop innovation-related skills and abilities, regardless of whether they end up going into a scientific or technical profession.

Over 500 schools and 9000 students UK wide take part in this proven project which uses the excitement of motorsport to inspire students from primary school through to university to excel in Science, Technology, Engineering, Arts and Mathematical (STEAM) studies.

STEAM is an acronym which stands for Science, Technology, Engineering, Arts and Maths. It is a new model of learning which involves teaching the five disciplines in an integrated way rather than treating them as separate fields of knowledge, using an applied, interdisciplinary approach. In other words, it is a model where students connect and link disciplines together, thereby giving them a learning experience which is more comprehensive.

Greenpower participants also acquire valuable business and public relations skills. Students are responsible for funding their car and team, so they must learn how to solicit finan-

cial support from local and corporate sponsors as well as from their community by writing letters, giving formal presentations, and launching crowdfunding initiatives on social media.

Another key outcome is industry readiness. Many school systems provide student teams with advanced equipment to build their cars, such as 3D printers for nose cones and mechanical elements and autoclaves for carbon-fiber bodies. Corporate sponsor Siemens offers students a freely downloadable version of its computer-aided design modeling tool, Solid Edge.

