STEM Education for Sustainable Development



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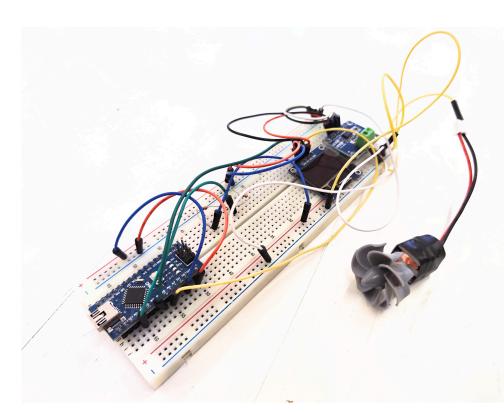


The first step is a self-made construction with the ultimate goal of saving energy and connecting education with sustainability. It aims to reduce our energy requirements by taking advantage of our daily habits and needs.



By combining simple items we managed to light up a step whenever we step on it.





We also created a Scratch program that collaborates with an Arduino and calculates the energy consumed by lighting up the stairs.



The first step consists of simple everyday materials and low-cost devices, combines the individual concepts of STEM education and approaches 3 goals for sustainable development (cheap and clean energy, sustainable cities and communities, climate action).



"And if you are on the first step, you must be proud and happy.

Here where you have made it, it's not a little thing it's great glory"

Kavafis 1899 | Greek poet