

STEAM PROJECT

Challenge:

Our Challenge is to create something to improve classroom conditions being environmentally friendly. For that first of all we have to know what comfort means to us.

Comfort

Comfort means well being, this means something that makes you more comfortable. Comfort can be machines to make work easier or Jackets to feel warm. Being satisfied psychologically and physically

Jasangarritasuna edo sustainability

In ecology, sustainability is the ability of biological systems to remain diverse and productive. Long-lived wetlands and forests are a clear example of sustainable biological systems. By a more general definition, sustainability is also referred to as the ability of systems and processes to survive. The principle of organizing sustainability is inherently sustainable development. The latter connects four domains; ecology, economics, politics and culture. The science of sustainability is concerned with the study of sustainable development and the environment

Steps we have to follow

Every project has some steps that we have to follow:

1. challenge¶
2. resserch poccus¶
3. authenticity ¶
4. students opinion and choice ¶
5. reflection¶
6. critique and review¶
7. presentation and results -m7

What have we decided to do

First of all we thought we were going to do a comfortable chair but we found out it wasn't what the teacher was looking for. We also thought it would be a good idea to change the lightning sitem but it was so difficult to make. Finally we decided that the best idea would be an alarm that detects noise. When there is a lot of noise an alarm will sound and when the students realize it, they will have to calm down or turn down the volume.

● jesarlekuak

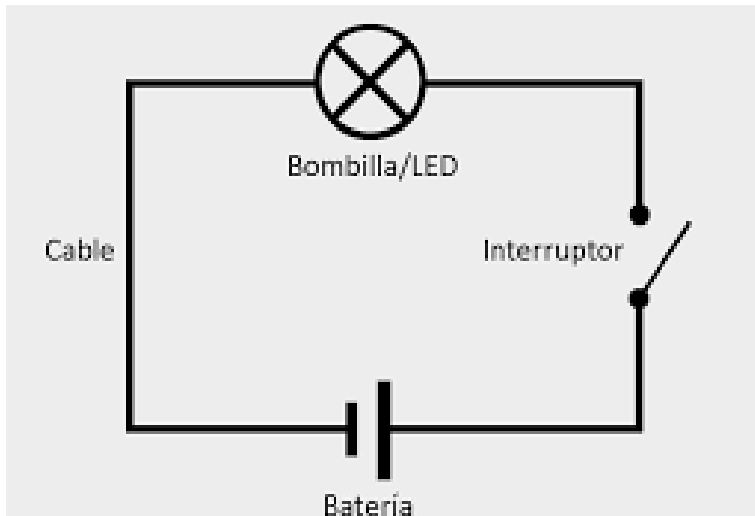


- klaseko sillak 66-55 €

- guk eindakuek : 56 | 46€
- cojiñek 3,77 X 2 = 7,54€
- 2€ 72

● Instalazio elektrikoak aldatzea

- Argi bakoitza autonomiaz kontrolatu nahiko genuke.
- Horretarako lehenik eskema elektrikoa egin behar da.



● Zarata detektorea

When there is a lot of noise an alarm will sound and when the students realize it, they will have to calm down or turn down the volume. We are going to record a voice and make it play when a chip detects too much noise.

We decided that we wanted to control the noise in our classroom because our tutor complained about us being so loud. It is so stressful for him and it turns out he can't mind his own business if we speak, so we decided to make the noise detector and it will turn on if the noise is too high. For that we will use a programmed arduino that we will program by ourselves and we will place the traffic light in our classroom near the whiteboard. This way when we are in class and we produce too much noise we will all notice and try to decrease our volume.



For our project we used this program that we invented
<https://youtu.be/RwHGioglbk8>

