

1.5 P Sleeping Cubby Project

Aim

If you got tired in class and wanted to have a sleep, would you be able to?
What stops you from having a nap in the classroom?

Your task is to make a small room inside your classroom where you could sleep! It has to be quiet and dark!

Equipment

Construction materials (boxes, fabric, tape)

Testing equipment – sound and light level meters (optional)

Method

1. Decide the shape of your room (less than 1 metre square) and how it will go together.
2. Decide on materials of the walls based on your investigations about absorbing sound and light.
3. Explain to your teacher your ideas (you can draw, speak or show)
4. Once you have teacher's approval, construct your sleeping room!
5. Test it to see if it works well by having people outside make noises and shine a torch. (This is where a digital meter would be useful but not essential)
6. Redesign if it's too bright or still loud.

Results

Did it work well?

What did you change?

What other things would you like to try?