

WHITBURN ACADEMY CDT Department

S1 CDT Course Overview

In S1 the pupils will be working through 3 main areas of the course, these are:

- Graphics
- Practical
- Engineering

Your time will be split between the class and the workshop. In the class you will develop your sketching and computer skills. Some projects you will work on are:

- Creating your personalised logo
- Sketching an Isometric City
- 3D CAD Modelling

In the workshop you will design and create models mainly from wood and plastic, a couple of projects you will make are:

- The 3 Minute Challenge
- The Healthy Bar project.

You will also simulate circuits and build electronic circuits.

Some of the skills you will develop in S1 are:

- Thinking
- Problem Solving
- Communication

CDT links in to these other subjects such as Science, Maths and Art.

Now here is your task:

Whitburn Academy CDT Dept.— Newspaper Tower Challenge

All you need is a newspaper and some sticky tape!



Step 1

Take a single newspaper page and roll it up along the short edge, as shown below. Use sticky tape to secure the tube.



Step 2

To create one side panel, you're going to need 4 short tubes, and one long one!



Step 3

Using the sticky tape, join the 5 tubes together as shown, with the longer tube used to across the middle!



Step 4

Once you've created 3 side panels, you can join them together to make this building block!



Step 5

Build more building blocks, and stack them to build your tower!

