DT Learning Organiser – Year 1 Autumn 1 – "How has education changed in Buckden?"

Prior Learning (What we already know?):

How to join materials using different methods (tape/glue/string).

How to build for purpose and adapt as problems occur.

How to use simple tools such as scissors/hammer/screwdriver/hole punchers.

Key Questions:

- What is a tab?

- How do you use scissors safely?

- What is the purpose of a table?

- What is the best part of your model?

- How could you improve your model?

- How could you make you table more stable/sturdy?

Key Facts:

- A tab joins two pieces of material together.

- A tab can be used to reinforce a join.

New Learning:

- Design: Generate, develop, model and communicate their ideas through talking, drawing, templates, prototypes and, where appropriate, information and communication technology.
- Make: Select from, and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing)
- Evaluate: Evaluate, their ideas and products against design criteria.
- Technical Knowledge: build structures, exploring how they can be made stronger, stiffer and more stable.

- To be able to design a 3D structure using pen and paper.
- To understand what the purpose of a tab is.
- To make a 3D model which uses tabs.
- To be able to evaluate the product saying what went well.

Key Resources:
- Card
- Scissors
- Pens
- Paper
- Photos of existing products (tables/desks)
- Prototypes

Can I do this?

- I can design a 3D structure using pen and paper.
- I understand what the purpose of a tab is.
- I can make a 3D model using tabs.
- I can talk about what went well when making my product.
- I can use scissors safely.
- I can explain what a tab is.
- I can help mark out and cut a tab.
- I can use

New Skills:

- To suggest ideas
- To explain what they are going to do
- To help mark out and cut a tab
- Use scissors safely
- To use glue to join 2 materials together
- To evaluate by discussing how well the structure stands up.

Think it, Believe it, Live it

Vocabulary:

- Tab, model, ideas, make, evaluate, join, structure, product, prototype, 3D, desk, table, reinforce, strong, stiff, stable.