



Structures

Year 5 Summer Term

Design Technology

Vocabulary

Design	To create a plan either from new ideas or by presenting existing materials in a new way
Material	Anything used for building or making something else this could include wood, metal, and rope
Structure	a building or other object constructed from
Rigid	Not flexible
Model	Usually a 2D or 3D outcome of modelling.
Specification	Describes what a product has to do.
Digital	Electronic technology that generates, stores, and processes data
Sketchup	A 3D modelling Computer-Aided Design program for a broad range of drawing and design applications
3D	three-dimensional.

What I already know?

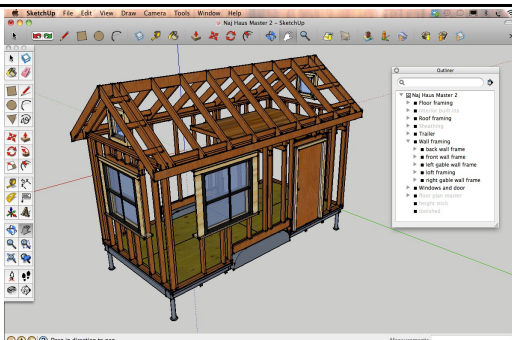
- I can design a functional and purposeful bridge structure and evaluate the successfulness by improving its stability and strength.
- I can use my understanding of stability and strength to create a wooden frame using saws to join wood together.

Key Knowledge

I will use a digital program called SketchUp to design and plan my house structure that is fit for purpose.

I will use materials and varied joining techniques to create a real 3D house using my design from SketchUp.

I will evaluate the successfulness of my design and final product.



Connecting Concepts

Design:



function, inspiration, innovation

I will use SketchUp to create a design of a digital house.

Practical Knowledge



I will use my SketchUp design to create the 3D house.