KS1 D & T Knowledge Mat-Building Structures design/make/evaluate Autumn1 CYCLE B

Subject Specific Vocabulary	
Structure	Mode of building, constructing or arrangement of parts or elements
Levers	A rigid bar that pivots about one point and that is used to move an object at a second point by a force at a third
Sliders	A pitch that spins towards or away from the batter on a horizontal plane
Wheels	A circular object that evolves on an axle and is fixed below a vehicle or other object to enable it to move easily on the ground
Axles	A rod or spindle (either fixed or rotating) passing through the centre of a wheel or group of wheels
Mechanism	A system of parts working together in a machine; a piece of machinery
Stiffer	Not easily bent or changed in shape; rigid
Stable	Of an object or structure not likely to give way overturn; firmly fixed
Stronger	Able to withstand force, pressure or wear.

Sticky Knowledge

Know how to plan and design structures

Know how to make structures stronger, stiffer and more stable

Know how to select the right materials

Know how to use mechanism

Know how to evaluate structures against design criteria







Crucial Connections

How to make a structure stronger? - BBC Bitesize

Let's explore structures - BBC Bitesize

Materials used in structures- BBC Bitesize



Aspirations

Architectural designer

Builder

Mechanic

Recommended Reads



