Golden Thread: Communication

Objectives and Sticky Knowledge

Previous Knowledge Recap:

*Safely explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and func

*Share their creations, explaining the processes they have used.



Land Objectives and Sticky Knowledge:

To create a moving car

To sketch, measure and plan the chasse of the vehicle

To investigate how wheels work as part of a full mechanism including axels and axel holders

To adapt mechanisms, measure and cut accurately to a design brief

To follow a design brief to achieve an end product

Links with 'Communication' Golden Thread:

- To communicate their design brief
- To talk about what they would do next time to make their toy vehicle even better

Links with CST:

- Participation taking part
- Subsidiarity everyone should have a say

Links with CKA Values Crown:

- Service, hope, justice

Year 1 DT – Mechanisms Knowledge Organiser

Mechanisms - Wheels and axles

Accurate	Neat, correct shape, size and pattern with no mistakes.
Axle	A long straight rod which connects to a rotating part (e.g. the wheels of a car).
Axle holder	The part of a mechanism which holds the axle steady.
Chassis	The body of a car.
Design	To make, draw or write plans for something.
Fix	To mend something so that it will work properly again.
Mechanic	A person who can build or mend vehicles or other machines.
Mechanism	Parts of an object that move together to make something work.
Model	A practise version that lets you test out your idea and see how it will look and work.
Test	To find out whether something works as it should.
Wheel	A circular object that turns round. It can be fixed to a vehicle like a car or bicycle to allow the vehicle to move easily over the ground.

Sky objectives:

- 1. Create designs following a clear criteria.
- 2. Use tools to create with increasing accuracy e.g. scissors, chopping knives etc.
- 3. Suggest plausible ways in which their final design could be improved.

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