

Mechanisms
Wheels and axles
Let's look at Vehicles

Prior Knowledge:

- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function;

Prior Skills:

- EYFS Experience of using different joining, cutting and finishing techniques with paper and card.

Planned outcome: Design, create and evaluate 'A Car for the alien' selecting from everyday materials –learning how to use mechanisms in our products; wheels and axles

Learning Journey – small steps in learning to meet the planned outcome

Tiered Vocabulary

1. Explore

Talk to chn about a form of transport for an Alien. Look at photos and models of different vehicles. Do you like any of the cars? What do you like about the car? Why? What does this feature do?

Design, features, style, improve, axles

2. Design

Design Alien car and plan materials - Which alien is your vehicle for? What do you want your car to look like? What will it do? How will it move? What things do you think you are going to need to make your model?

Improve, Change

3. Make

Follow their design to make an Alien car using Reclaimed materials, scissors, sticky tape, wheels, wooden axles, plastic bottle and plastic cups. What are you going to use to make your car? How are you going to join it?

think, draw, pencil, paper, colour, boxes, bottles, wheels, tape, stick, glue, join, model, turn, move, like, dislike, happy, unhappy

4. Evaluate

Evaluate their own products and ideas against criteria. Does your model look like your design? Do you like your design? Would you change or improve your design?

Scaffolds

Oracy Activities

Word Banks
Sentence stems

Know and use technical vocabulary relevant to the project.