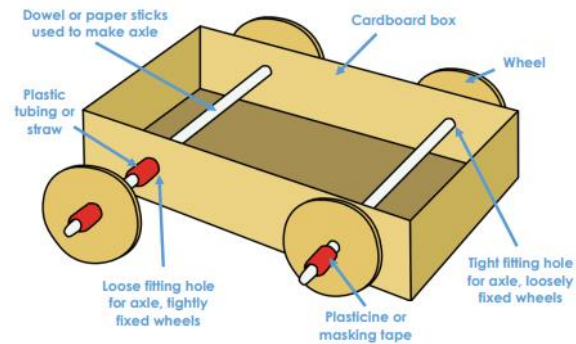


Key Vocabulary

vehicle, wheel, axle, axle holder, chassis, body, cutting, joining, finishing, fixed, free moving, equipment, materials evaluate, purpose,



Prior Learning

Children will have:

- Assembled vehicles with moving wheels.
- Explored moving vehicles through play.
- Gained some experience of designing, making and evaluating products for a specified user and purpose.
- Developed some cutting, joining and finishing skills with card.

Key Information

Children will explore and evaluate a range of wheeled products such as toys and everyday objects. Through observation children will ask questions such as how do the wheels move? And why are the wheels round?

Children will be able to draw an example of a wheeled product, stating the purpose, and label the main parts such as body, chassis, wheels, axles and axle holders.

Children will use a range of materials to make their own wheel and axle product using their own design and ideas and criteria.

Key Skills

Generate initial ideas and simple design criteria through talking and using own experiences.

Develop and communicate ideas through drawings and mock-ups.

Select from and use a range of tools and equipment to perform practical tasks such as cutting and joining to allow movement and finishing.

Select from and use a range of materials and components such as paper, card, plastic and wood according to their characteristics.

Explore and evaluate a range of products with wheels and axles.

Evaluate their ideas throughout and their products against original criteria. Explore and use wheels, axles and axle holders.

Distinguish between fixed and freely moving axles.

Know and use technical vocabulary relevant to the project.