

MECHANISMS: SMALL WHEELED TROLLEY

Design, make and evaluate a small wheeled trolley (**product**) for a garden gnome (**user**) to use to carry gardening tools (**purpose**).

Key Focus: Wheels and Axles



KEY KNOWLEDGE AND SKILLS

- Know how to use wheels, axles and axle holders to create a small wheeled trolley.
- Distinguish between fixed and freely moving axles.
- Know and use technical vocabulary relevant to the project (e.g., vehicle, wheels, axles, chassis).

RELEVANT PRIOR LEARNING / UNITS

- Whilst pupils have not yet worked with wheels and axles, they have experience of studying and making mechanisms from Y1. Pupils used sliders and levers to create moving Easter cards.
- Extensive experience of the design, make, evaluate process throughout Years 1 and 2.

NAME: _____