Year 1 DT Knowledge Organiser – Mechanical Systems: Moving Minibeasts

Safely use and explore a variety of tools and techniques in food preparation.

Select from a range of tools to design and create a stable structure.

Key Vocabulary

- Mechanism a device used to create movement in a product.
- Design to make or draw plans for a product.
- **Evaluate** the process of deciding if you've done something the best way, and looking at what could be improved.
- **Tool** a device, usually hand-held, that is used to carry out a function.
- Lever a rigid bar that rests around a pivot. They are used in many everyday products.
- **Slider** a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point.
- **Guide** or **bridge** a short card strip used to • keep sliders in place and control movement.
- **Slot** the hole through which a lever or slider is placed to enable a part to move.
- Wheel a circle-shaped device that allows things to roll.

Key Skills

-To design purposeful and

- appealing products.
- -To develop and communicate ideas through talking, drawing, templates and mock-ups.

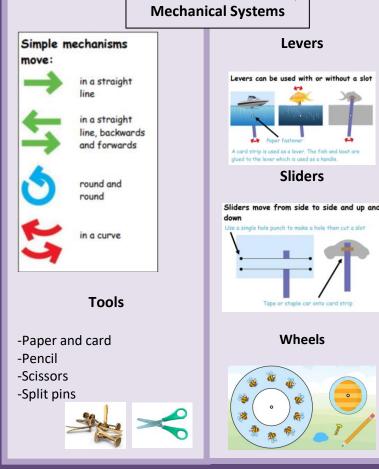
Creating

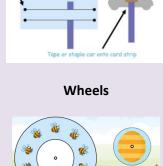
Designing

-To select and use a range of tools and equipment to carry out practical tasks, e.g. cutting, shaping, joining and finishing. -To explore and use mechanisms, e.g. levers, sliders, wheels and axes in products.

Evaluating

-To evaluate ideas and products based on design criteria.





Levers

Sliders

