

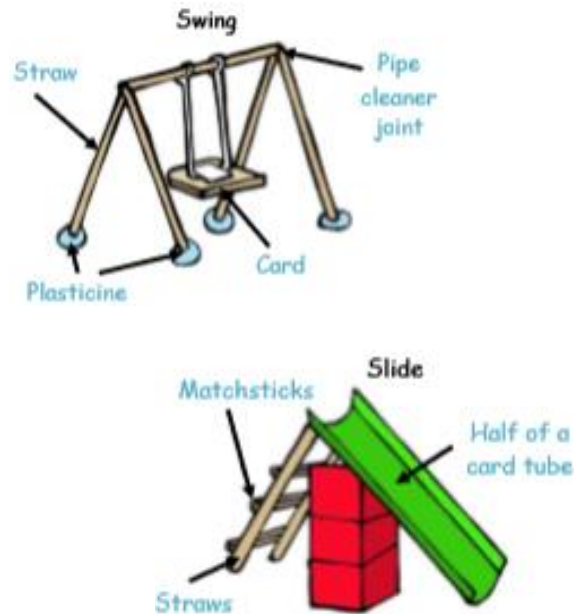
Key Vocabulary

cut, fold, join, fix

structure, weak, strong, base, top,
underneath, side, edge, surface, corner,
point, straight, curved

metal, wood, plastic

design, make, evaluate, purpose, design
criteria, product



Prior Learning

Experience of using construction kits to build walls, towers and frameworks.

Experience of using basic tools e.g. scissors or hole punches with construction materials e.g. plastic, card.

Experience of different methods of joining card and paper.

Key Information

Children will understand that a freestanding structure is a structure that stands on its own foundation or base without attachment to anything else.

They will examine a range of freestanding structures, both locally and globally. The children will use their observations to design a freestanding structure that fits a purpose.

Finally, the children will create their own freestanding structure and evaluate their finished product.

Key Skills

Generate ideas based on simple design criteria and their own experiences, explaining what they could make.

Select and use tools, skills and techniques, explaining their choices.

Use simple finishing techniques suitable for the structure they are creating. Evaluating

Explore a range of existing freestanding structures in the school and local environment e.g. everyday products and buildings.

Evaluate their product by discussing how well it works in relation to the purpose, the user and whether it meets the original design criteria.

Know how to make freestanding structures stronger, stiffer and more stable.