

Toys

Summary: This unit is an introduction to physics for KS1, we concentrate on push and pull forces including the effects of gravity, introduction to electrical circuits and magnetism.

Knowledge Areas Classifying, identifying, observing, recording, describing, explaining, finding patterns, analyse, evaluate, apply

Threshold Concepts

Questioning and Predicting
 Classification and Identifying
 Observing and Pattern Finding
 Describing and Explaining
 Analyse and Evaluate

Questioning & Predicting	Grouping & Classifying	Identifying	Observing	Recording	Describing	Explaining	Finding Patterns	Analyse	Evaluate	Apply
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Questioning & Predicting

Generating questions around practical experiments and predicting what they think will happen.

Grouping & Classifying

Grouping toys together based on how they work, for example, if they need to be pushed, pulled or twisted.

Identifying

Be able to demonstrate and identify pushing and pulling forces around the classroom and at home, for example, opening a door.

Recording

See results recorded in class tables and graphs and help to obtain the results, for example the water squirter activity – recording on large whiteboard so all the children can see the results

Describing

Describe a push and pull force using actions. Describe how a bulb will light up when connected in a circuit.

Finding Patterns

Find patterns in the movement of toy cars over different surfaces. Notice that on rough surfaces the cars travel slower than on a smooth surface.

