



PREPARATION

THEME: ELECTRIFYING SCIENCE

MYSTERY BAG

SOMETHING BATTERY
POWERED YOU CAN OPEN TO
SEE BATTERY IN, E.G. TORCH



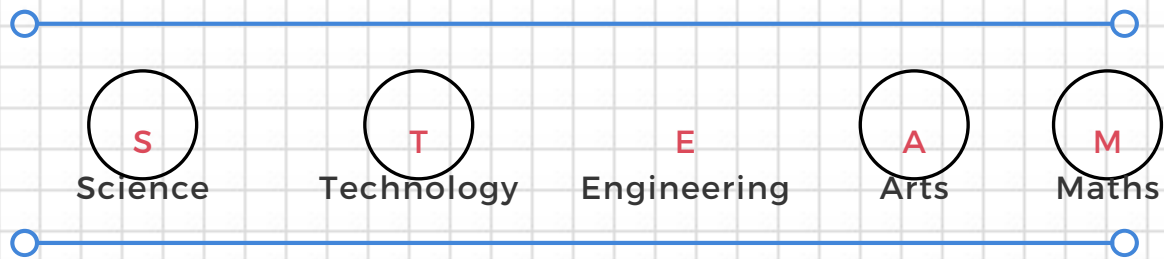
EXPLORATION RESOURCES

- ANY WIND UP TOYS
- ANY OF: BALLOON, PLASTIC
COMB, PLASTIC SPOON
- EMPTY CAN
- TISSUE PAPER
- SHEET OF CARDBOARD
- SALT & PEPPER
- OPTIONAL: CIRCUITS KIT IF
YOU WANT TO HAVE A GO
AFTER THE CLASS



EXPLORATION

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Questions/Ideas:

Things that use electricity: Does this do anything? What does it do? What makes this work? Does the electricity come from a plug or a battery? Why should we never ever touch a plug socket?

Static Electricity: What happens when we rub the balloon/comb on our clothes and then hold it by our hair? What happens if we put it by an empty can/tissue paper?

Circuits: What happens if we take the battery out of the torch/remote control? Why? How does the electricity get from the battery to the light bulb?

Learning:

Science: Electricity; Static electricity; Attraction.

Technology: Identifying what devices do; Identifying how devices are powered; Using circuits.

Engineering: Electric circuits.

Arts: Static butterflies.

Maths: Sorting objects by how they are powered.

