



PREPARATION

THEME: CLEVER LEVERS

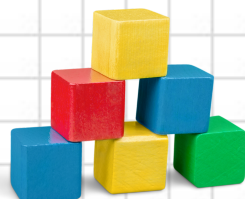
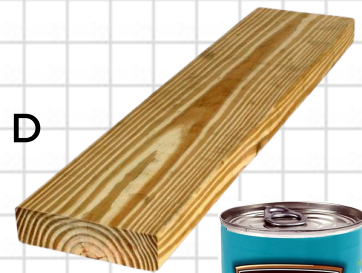
MYSTERY BAG

A LARGE METAL SPOON



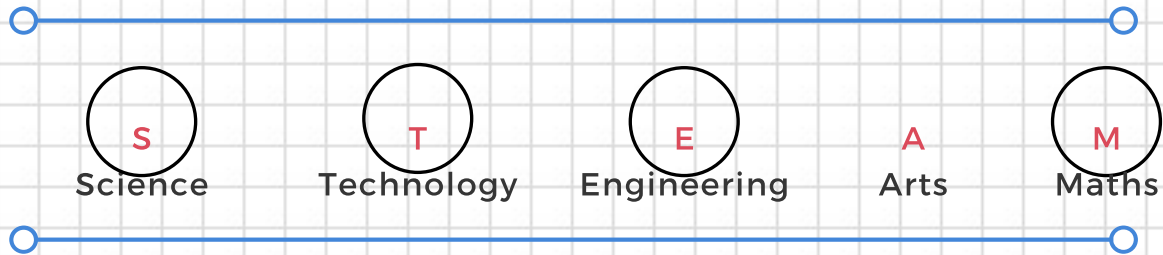
EXPLORATION RESOURCES

- PIECE OF THICK CARDBOARD
OR PLANK OF WOOD
- CAN OF FOOD OR DRINK (FULL)
- LONG STIFF SPOON OR SPATULA
- TEDDIES OR OTHER TOYS
- DIFFERENT LENGTHS OF SPOON
(TEASPOON, DESSERT SPOON,
SERVING SPOON)
- POM POM OR COTTON WOOL
BALL
- BLOCKS



EXPLORATION

THEME: CLEVER LEVERS



Questions/Ideas:

See Saws: Let's put our straight lever over the can. Where is the middle of the lever? Let's put the can there. Let's put teddies/toys onto each end? Which one is heavier? What do you think will happen if we move the fulcrum/can? Let's try.

Lifting With Levers: How can we use this lever (spatula) with some blocks to lift this book. Which direction do you push? (down) Which direction does the book move? (up) What else can we lift? Can we lift something really heavy like this?

Catapults: Let's use the small spoon. Should you push slowly or quickly? How far did the pom pom go? Do you think it will go further with a bigger spoon? Let's try. What if we use a bigger fulcrum? Does that make it go further?

Learning:

Science: Weight; Forces (push, pull, lift); Predicting, testing and observing

Technology: Using tools (levers) for practical purposes

Engineering: Lever and fulcrum as a simple machine

Maths: Vocabulary: heavier, lighter, longer, shorter; Finding the middle; Distance: further, not as far

