



PREPARATION

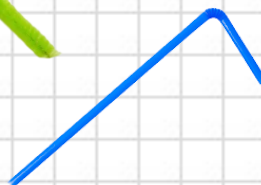
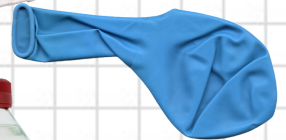
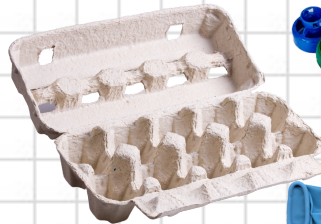
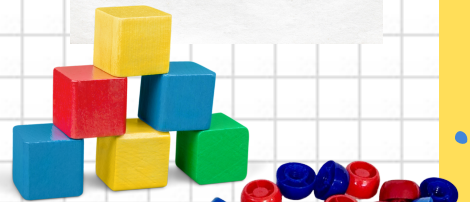
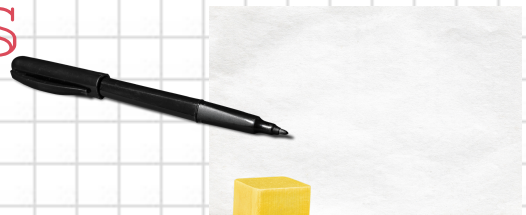
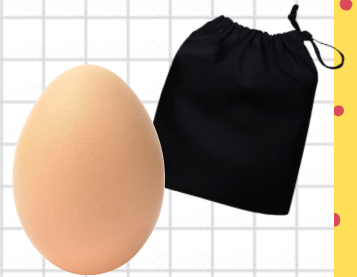
THEME: CRAZY CATERPILLARS

MYSTERY BAG

AN EGG
(OR EGG SHAPED OBJECT)

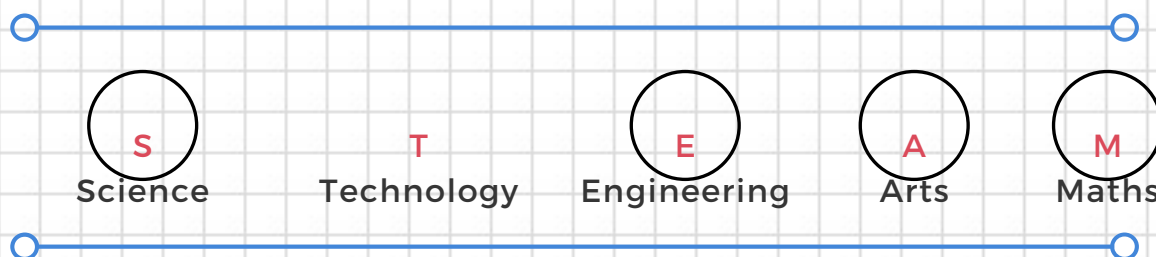
EXPLORATION RESOURCES

- PAPER AND PEN
- THINGS TO STACK: E.G.
BLOCKS, LIDS, COINS, EGG
CARTON.
- PLASTIC BOTTLE
- BALLOON
- VINEGAR
- BICARBONATE OF SODA
- WHITE COFFEE FILTER
- COLOURED PENS
- PIPE CLEANER
- STRAW
- STRING
- SCISSORS & TAPE



EXPLORATION

THEME: CRAZY CATERPILLARS



Questions/Ideas:

Caterpillars: What's the tallest caterpillar you can stack? Can you make a pattern in your caterpillar's colours?

Balloon Butterflies: What does the caterpillar make to have its long sleep? What happens after it comes out of its chrysalis? What will happen when we tip the bicarbonate of soda into the vinegar? What is making the balloon blow up? [air from the reaction]

Zip Wire Butterflies: How can you make your butterfly symmetrical? What makes the butterfly go down the string? [gravity] What's the furthest you can make the butterfly fly? How can you make it fly more quickly/slowly?

Other Life Cycles: Where does a chicken/dog/cow/duck/frog come from?

Learning:

Science: Life cycles; Butterfly life cycle; Reactions producing air; Gravity.

Engineering: Building tall caterpillars; Building a zip wire.

Arts: Decorating butterfly; Colour recognition in patterns.

Maths: Patterns; Counting; Symmetry; Vocabulary on distance and speed.

Problem Solving: Creating different kinds of zip lines for different affects.

