



PREPARATION

THEME: CODING UNPLUGGED

MYSTERY BAG

ROBOT TOY/BOOK
(OR OTHER TOY ELECTRONIC DEVICE
LIKE PHONE, COMPUTER ETC.)



EXPLORATION RESOURCES

- NUMBERS OR NUMBER CARDS
WITH 1-5, 1-10 OR 1-20 AS
APPROPRIATE (HOMEMADE OK)



- FELTS/CRAYONS/PENCILS IN RED,
YELLOW, PINK, GREEN, PURPLE,
ORANGE AND BLUE



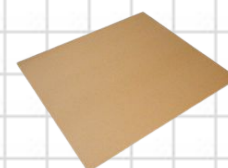
- BLANK SQUARES OF PAPER/CARD
CUT UP (APPROX. 15+) AND PEN.



- MASKING OR COLOURED TAPE OR
LARGE CARDBOARD AND PEN

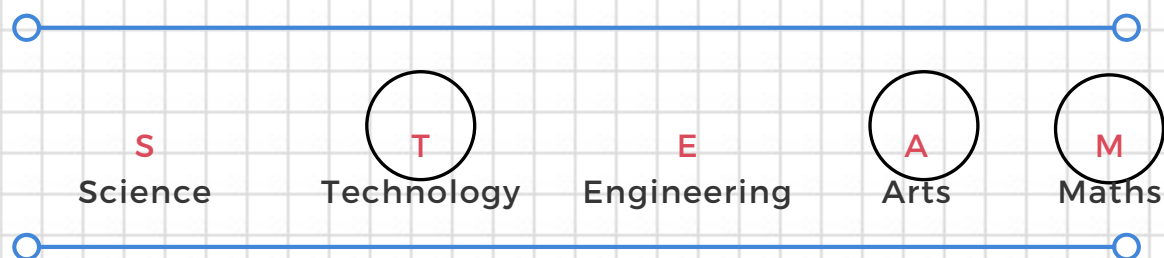


- TOY CAR OR OTHER VEHICLE.



EXPLORATION

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Questions/Ideas:

Sequencing: Can you put these number cards in the right order? What about the colours of the rainbow song? Can you sing it/count to help you remember the order?

Sequencing with Images: What shall I draw to show that line? What shall I draw for the next line? If I muddle up the pictures can you put them back in order?

Coding Through a Maze: How many spaces forward first? What does the car have to do next? Which direction next?

Coding with Arrows: Which arrow shows the way to go? Which arrow shall we use to make the car turn? Can we write all the instructions out over here for the maze over there?

Following Code: I'm going to put some arrows in order. See if you can follow the arrows to move the car.

Learning:

Technology: Sequences; Algorithms; Visual representations of ideas; Writing and following instructions to achieve a goal

Art: Visual representations of ideas; Colours

Maths: Counting; Sequencing language: first, next, last etc.

Problem Solving: Correctly ordering items, Moving an object through a grid in different ways

Creativity: Representing lines of songs with images

