



# PREPARATION

THEME: HOW MUCH SPACE?

## MYSTERY BAG



MEASURING JUG



## EXPLORATION RESOURCES

- VARIETY OF CONTAINERS OF DIFFERENT SIZES



- JUG OF WATER



- FUNNEL



- MEASURING SPOONS



- DUPLO OR OTHER BLOCKS

- OTHER WATERPROOF TOYS THAT SINK (CAN BE EXPLORED AND FOUND TOGETHER LATER)



# EXPLORATION

## THEME: HOW MUCH SPACE?



### Questions/Ideas:

**Water Displacement:** What do you think will happen to the water when we put these objects in? Let's try. What will happen when we add some more?

**Comparing Volumes - Liquid:** Which container has the most space inside? How can we find out? Which has the least?

**Measuring Volumes - Liquid:** How much water fills this container? Let's put it in a measuring jug to check. What number does the water come up to?

**Volumes - Solids:** Which container do you think we can fit the most blocks in? Let's test. Do you think this container will hold more or less? Let's count. Is that a bigger or smaller number than the other one?

**Volume - Food & Ingredients:** How many spoons of rice/sugar will fill this container? What about this one?

### Learning:

Science: Water displacement; Liquids and solids; Predictions; Observations; Comparisons.

Technology: Using funnels and pipettes if available.

Maths: Volume: comparing and measuring; Vocabulary: full/empty, more/fewer/less; Counting and comparing numbers.

