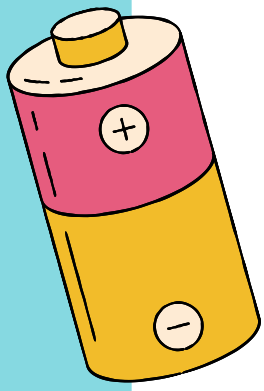
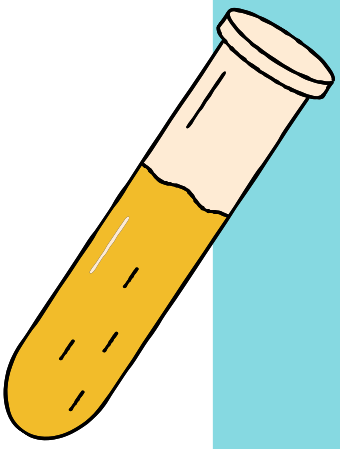
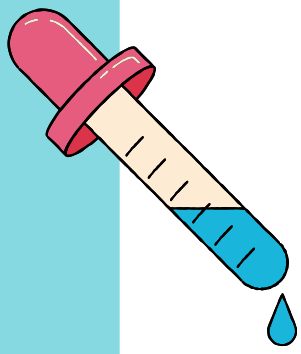
Eager Little Beavers

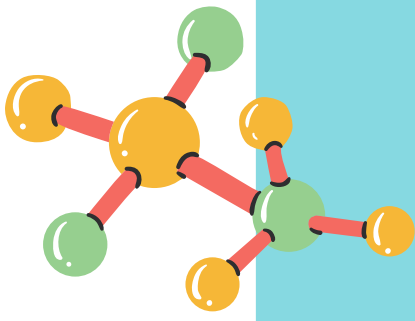




SCIENTIFIC LITTLE BEAVERS

WHAT FLOATS WHAT SINKS





Eager Little Beavers

WHAT FLOATS WHAT SINKS

WHAT TO USE:

- LARGE CLEAR CONTAINER (FILLED WITH WATER)
- WORKSHEET
- CRAFT STICKS
- STONES
- LEAVES
- CRAYONS
- RUBBER BANDS
- SMALL PLASTIC TOYS
- ETC

WHAT TO DO:

- FILL THE CONTAINER WITH WATER. ENSURE THE WATER LEVEL IS HIGH ENOUGH TO ALLOW OBJECTS TO BE FULLY SUBMERGED WITHOUT THE CONTAINER OVERFLOWING.
- CAREFULLY PLACE EACH OBJECT, ONE AT A TIME, INTO THE CONTAINER OF WATER.
- OBSERVE WHETHER THE OBJECT FLOATS ON THE SURFACE OR SINKS TO THE BOTTOM. RECORD YOUR OBSERVATIONS.
- REMOVE EACH OBJECT AFTER OBSERVING AND RECORDING ITS BEHAVIOR, SO YOU CAN CLEARLY SEE THE NEXT OBJECT'S BEHAVIOUR.

Eager Little Beavers

WHAT FLOATS WHAT SINKS

OBJECTS	FLOAT	SINK
CRAFT STICKS 		
STONES 		
 LEAVES		
 CRAYONS		
RUBBER BANDS 		
SMALL PLASTIC TOYS 		

WHAT FLOATS WHAT SINKS

PROMPTING QUESTIONS

BEFORE EXPERIMENT:

- **WHAT DO YOU THINK WE WILL DO TODAY?**
- **WHICH ITEMS DO YOU THINK WILL SINK OR FLOAT?**

DURING EXPERIMENT:

- **WHY DO YOU THINK SOME ITEMS SANK AND SOME FLOATED?**
- **HOW CAN WE RE DO THIS ACTIVITY?**

AFTER EXPERIMENT:

- **WERE THERE ANY SURPRISES?**
- **DO YOU THINK WE CAN REPEAT THIS EXPERIMENT IN A BETTER WAY?**
- **DISCUSS THE CONCEPT OF DENSITY. IN SIMPLE TERMS, DENSITY IS A MEASURE OF HOW MUCH MASS IS CONTAINED IN A GIVEN VOLUME. AN OBJECT WILL FLOAT IN WATER IF ITS DENSITY IS LESS THAN THE DENSITY OF WATER. CONVERSELY, IF THE OBJECT'S DENSITY IS GREATER THAN THAT OF WATER, IT WILL SINK.**
- **DISCUSS HOW THE SHAPE AND CONSTRUCTION OF SOME OBJECTS (LIKE BOATS) ALLOW THEM TO FLOAT EVEN IF THEY ARE MADE OF MATERIALS THAT ARE DENSER THAN WATER.**