

# Family Learning Science

# Introduction

- ▶ A summary of the topics already covered in Year 1.
- ▶ Explanation of the next topics.
- ▶ Family Learning activities.

# A summary of topics

- ▶ Internal body parts and their uses
- ▶ Senses
- ▶ Grouping animals- herbivores, carnivores and omnivores
- ▶ Magnets

# Explanation of the next unit

## Materials:

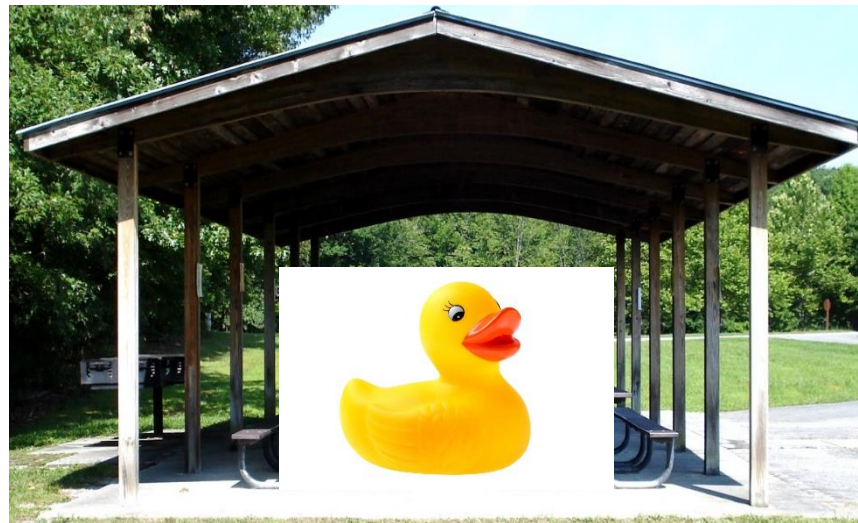
- ▶ Identifying everyday materials, e.g. wood, plastic, glass and metal.
- ▶ Understanding why different materials are used to make objects, e.g. wood is good for a bench because it is strong.
- ▶ The properties of materials, e.g. transparent, opaque, waterproof, shiny, bright, dark.

# Family learning activities

- ▶ Designing a shelter for the duckling.
- ▶ Investigating magnets.
- ▶ Floating and sinking experiment.
- ▶ Floating and sinking with different liquids.
- ▶ Build a bridge.

## Designing a shelter for the duckling

1. Choose which materials you think are best to make your shelter.
2. Discuss with your grown up why they are a good choice.
3. Make your shelter.



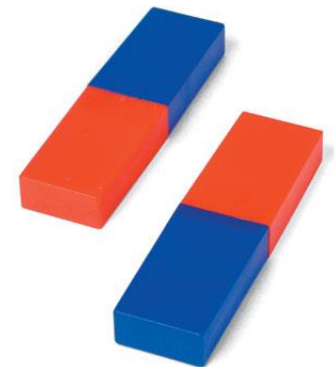
Key vocabulary: thick, thin, bendy, stiff, shiny, dull, smooth, rough, soft, hard, dark, bright.

# Investigating magnets.

1. Put a tick or a cross in the prediction column.
2. Use the magnet to discover if the objects are magnetic or non magnetic.
3. Fill in the rest of the table with objects of your choice.

Material	Prediction	Magnetic	Non-magnetic
10/10 badge			
Glue Stick			
Pencil			
Paper clips			
Staples			
Blue tack			

Key vocabulary: attract, repel, North Pole, South Pole, magnetic, non-magnetic, magnet.



# Floating and Sinking experiment.

1. Put a tick or a cross in the prediction column.
2. Use the water box to discover if the objects float or sink.
3. Fill in the rest of the table with objects of your choice.

Material	Prediction	Floats	Sinks
Ball			
Cupcake holders			
Orange			
Paper clips			
Pencil			
Blue tack			

Vocabulary:  
float, sink, predict.

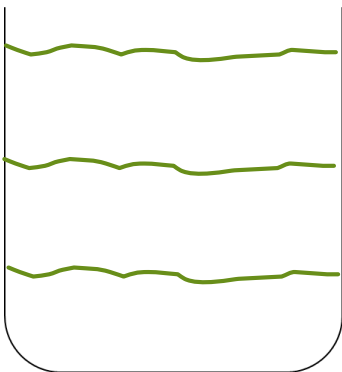




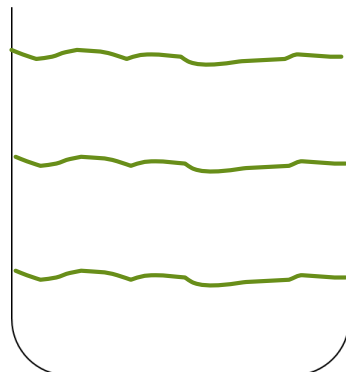
# Floating and Sinking with different liquids.

1. On the picture draw where you think the object will settle.
2. Drop the object into the cup to discover what happens to the object.

Prediction



Conclusion



Vocabulary:

oil, syrup, water, transparent, opaque, density, predict.



# Build a bridge

1. Can you explore the materials on the table and build a bridge for the car to travel across to the other side of the river.  
You can use more than one material.



Vocabulary:  
Waterproof, non waterproof,  
heavy, light, thick thin.