

Gillamoor's Science Week

Welcome to our school science afternoon. All around the school you will find activities and investigations linked with the main subject areas of the Science Curriculum; Physical properties, Materials and their properties, and Life processes and living things.

Please feel free to walk around with your child/children, trying some investigations and activities for yourself. Each activity is clearly labelled with a short description. As you walk around the school please also have a look at the children's fabulous work from this week.

Physical Properties

Activities for this area of the curriculum can be found in the **Junior Classroom** and outside on the **Playground**.

Activities include:

Electric circuits
Stomp Rocket!
Water course

Materials and Their Properties

Activities for this area of the curriculum can be found in the **Junior Classroom**.

Activities include:

Mixing and separating
Floating and sinking
Rocks and fossils

Life Processes and Living Things

Activities for this area of the curriculum can be found in the **Infant Classroom**.

Activities include:

Animals and environments
Animal masks
The skeleton

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Physical Properties (Physics)

Activities for this area of the science curriculum can be found outside on the Playground.

Activities include:

Magnets

Stomp Rocket!

Tuning Folks

Water course

Squashing liquids and gasses

Physical Properties

Tuning Forks

Strike the tuning fork on the edge of the table, and then hold it to the surface of the water - you will see the vibrations. Try different sizes of tuning forks and see what happens!

Squashing liquids and gasses

Fill a syringe with one of the liquids on the table. Firmly place your finger over the open end of the syringe and squeeze the plunger in.

Can you squash a liquid? Now try squashing the air inside a syringe.

Magnets

Investigate the types of materials that are magnetic as well as the attraction and repulsion between the magnets themselves.

Stomp Rocket!

Explore streamlining and aerodynamics by creating your own rocket and testing it on the stomp rocket.

Electric circuits

Use the equipment to create a circuit and light the bulb.

Water Course

Using the guttering and trays, the aim of this activity is to get the ping pong ball moving at the slowest rate possible all the way along the water course.

Materials and Their Properties (Chemistry)

Activities for this area of the science curriculum can be found in the **Junior Classroom**.

Activities include:

Mixing and separating

Feely bags

Rocks and fossils

Stomp Rocket!

Explore streamlining and aerodynamics by creating your own rocket using the materials provided and testing it on the stomp rocket outside.

Materials and Their Properties

Bicarbonate of soda and vinegar

Start with around 40 ml of vinegar in the measuring cylinder. Add a tablespoon of bicarbonate of soda and watch the reaction!

Mixing and separating

Choose 3 liquids from the table. Measure out 40 ml of each and place in a plastic cup. Do the liquids mix or separate?

Rocks and Fossils

Explore the rocks and fossils using the magnifying glasses and have a go at drawing some.

Mallows and spaghetti

How tall can you build a tower using only marshmallows and spaghetti in 5 minutes?

Bicarbonate of soda and vinegar

Try placing 50ml of vinegar in a plastic cup. Add a teaspoon of bicarbonate of soda and watch the chemical reaction!

Life Processes and Living Things (Biology)

Activities for this area of the science curriculum can be found in the **Infant Classroom**.

Activities include:

Matching animals and plants to their environments

Food chains

Animal masks

The skeleton

Matching animals with environments

Can you match these animals to the right environment and name?

Skeleton

Can you correctly label the skeleton with the name cards? (The answers are in the book to check!)

Animal and dinosaur masks

Colour in and make an animal or dinosaur mask.

The Tooth

Can you correctly identify the different parts of the tooth?

Floating and Sinking

Try to make the play dough into a successful boat that floats on top of the water.

Could you change the shape to make it sink?

**Life Processes
and
Living Things**