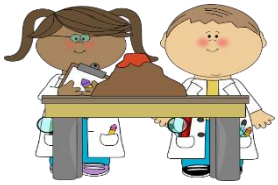
# Everyday Science

Science is all around us. Primary science involves helping your child to develop basic scientific ideas and understanding which will enable them to explore and investigate their world and the world around them. Science is hands on, active and fun which in turn allows to support your child's overall development.

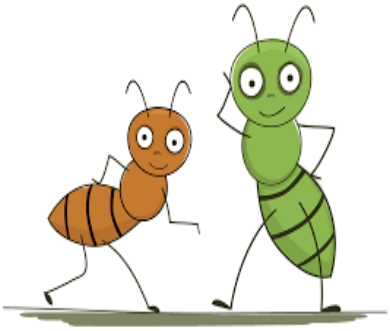
#science@home #scienceinthegarden #stem

By engaging your child and family in science activities the following skills can be developed:

- **Fine Motor and Gross Motor Skills:** Experiments and activities require us to use our motor skills. As scientists we use our hands and bodies all the time.
- **Hand Eye Coordination Skills:** Some experiments and activities require us to measure, observe, pour, mix, label. Science experiments require us to be very careful.
- **Literacy and Numeracy Skills:** Involve your child in reading the experiment, finding household equipment, predicting what they think will happen, observing what happens, sequencing pictures of the experiment, matching words or sentences to pictures, writing numbers or quantities required, drawing pictures of the experiment, making videos of the experiment, writing up reports or conclusions, all these things can develop literacy and numeracy skills.
- **Sensory Processing Skills:** Experiments can be a great way for boosting our senses. Many experiments explore and use different textures, smells, tastes and colours – all of which can be calming and regulating for your child.
- **Life skills, planning, problem solving and independence living skills:** A scientific approach to investigations fosters the development of important skills, concepts and knowledge through which children can observe, question, investigate, understand and think logically about living things and their environments, materials, forces, everyday events and problems.
- **Confidence and social skills:** Science allows for plenty of discussion and is great for developing new vocabulary and language. Science is a great way to get all the family involved, listening to everyone's predictions and opinions. Science lends itself well to active learning and team work.



**Science ideas**

| Strand | Useful Websites with activities, experiments & resources |
|---|---|
| **Living Things** | https://www.sfi.ie/engagement/discover-primary-science-and-maths/activities-search/index.xml#result |
| **Energy and Forces** | https://www.teachjunkie.com/sciences/force-and-motion-experiments/<br>https://www.science-sparks.com/ideas-for-learning-about-forces/<br>Instagram – Follow @sciencewows |
| **Materials** | https://www.pinterest.com/pin/138133913549155732/<br>https://buggyandbuddy.com/12-science-experiments-activities-kids-can-right-now/ |
| **Environmental Awareness & Care** | Green Schools Ireland- Resources and activities on themes including Litter and Waste, Water, Global Citizenship<br>https://greenschoolsireland.org/themes/ |

The above activities can be adapted to suit your child's ability, needs, strengths and skills.