

Intent: What do we want children to learn?

At Grange Junior School, Science lessons encourage children to develop their curiosity about how the world works around them by making links from lessons to real life. We want children to become eager scientists by creating passion and engagement through biology, chemistry and physics. Through critical thinking, children will have a solid foundation on which to build core scientific knowledge.

Science in a Nutshell



Grange Junior School

Implementation: How do we do it at Grange Juniors?

Children have a wide range of topics within science to study which encompass biology, chemistry, physics and working scientifically skills. We follow the Baths TAPS resources to ensure children have positive experiences with carefully selected resources and use Explorify to enhance our 'talking science' section of our lessons. Children are assessed during the lesson and at the end of each unit to make sure they are achieving the best they can. Links to real life contexts are made to give each lesson purpose and challenges are provided to deepen their understanding further.

What Science looks like at Grange Junior School...

Recap of previous learning

Let's talk science - explorify starters

Assessment for learning opportunities

Links to real life and/or opportunities for cross curricular learning

Key vocabulary

Thought provoking questions

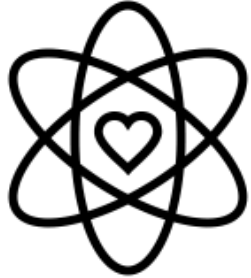
Adapted tasks

Challenges

Impact: On leaving Grange Junior School children will...

Have an understanding of how science links to our everyday life, be able to articulate their ideas through scientific vocabulary, learn to ask their own questions which can form experiments and queries, learn to gather and record data to form a range of graphs and be passionate about what they have learned in their time here.

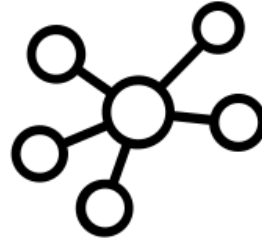
Our Golden Threads in Science



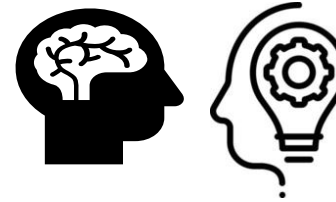
Values Rich



Vocabulary Rich



Connections Rich



Knowledge and
Skills Rich



Active and Enriched

This subject supports our values by...

This subject supports children's vocabulary use and acquisition by...

This subject let children make connections by...

This subject provides children with knowledge and skills by...

This subject allows for active and enriched learning by...

Giving children an opportunity for reflection through predictions and conclusions in experiments.

Enabling children to develop their vocabulary through progressive language choices.

Establishing the thought that science can be applied to everyday life and that it is in the world all around us.

A progressive curriculum that builds upon prior knowledge.

Providing children with active learning opportunities such as acting out the flow of electrons in a circuit.

Promoting resilience with working scientifically

Giving all students a chance to explore their opinions and ideas

Linking our science lessons to other subjects.

Allowing children to have hands on

Providing children with opportunities to create their own

experiments through repeating data for accuracy.	through 'Let's talk Science'.		experience with scientific equipment.	learning and experiments through adapted questions.
Getting children to aspire to link their science to their every day life around them.				