

## Science at Dean Field

### How do we teach science?

- · Weekly Science lessons
- ·Science week
- ·Across the curriculum
- •EYFS understanding the world.





### Science at Dean Field

Children are naturally curious. Science at primary school nurtures this curiosity and allows children to ask questions and develop the knowledge they need to answer those questions.

#### Primary science helps pupils to:

- -investigate problems.
- -learn how science works.
- -Discover why science matters in the world.
- -Understand how to work scientifically





## Working scientifically

We encourage all children to work scientifically in their science lessons. This allows children to understand and ask questions about why they are completing a specific task.



Working Scientifically at Dean Field





Asking questions



Making predictions



Setting up tests



Identifying & Classifying

Observing and measuring



Recording data



Interpreting and communicating results



) Evaluating





#### Diverse curriculum

The links made between the children's diversity, cultural capital and the curriculum are meaningful and build on the existing requirements of the National Curriculum.

Our science topics allow children to see how Science is integrated through everyday life and their diversities. As individual schools, with different cultures and backgrounds, we aim to prioritise and cater to the needs of the children in our schools.

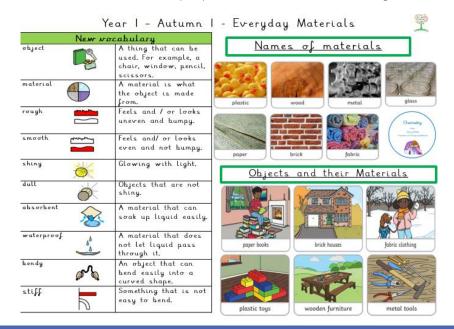
This links to our possibilities driver, with the aim to provide children with a feeling that a career in

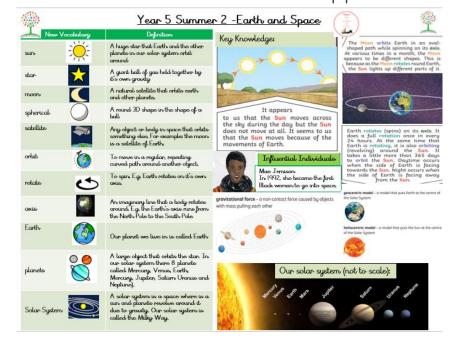
Science is possible for anyone with an interest and one that they can achieve, whatever their background.

#### Must knows

•For each year group and topic, we provide must knows. These must knows are designed to be used at home by parents as part of homework and revision in school to support work in

lessons and to recap precious learning.



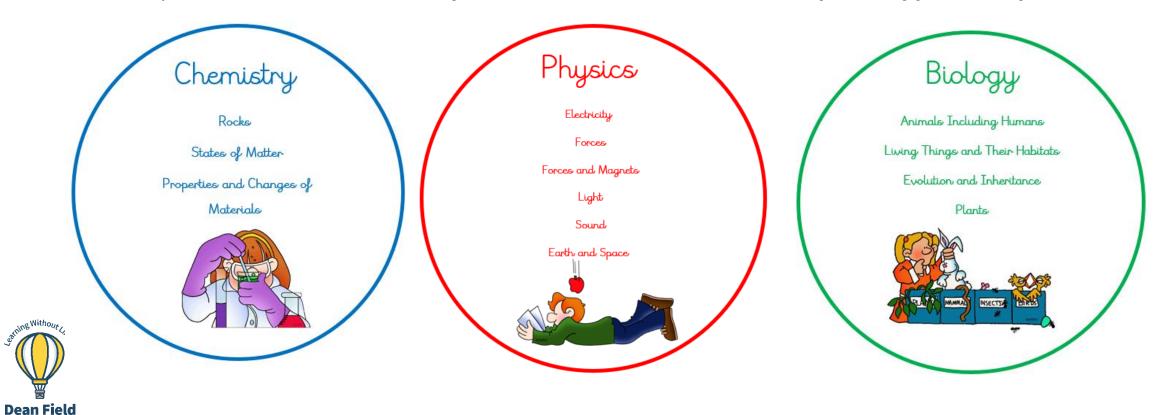






## Science disciplines

Areas of Science that we are taught can be divided into Chemistry, Biology and Physics.





### Monitoring science

All subjects are regularly monitored in a variety of ways at Dean Field. Science is monitored by Miss Jagger through a yearly action plan which focuses on embedding, monitoring and introducing aspects to maintain a good curriculum for science across the school for all children.

#### Some ways this is done is by:

- Conducting pupil voice interviews
- Internal/cross Trust and external deep dives (lesson observations and book looks)
  - Learning walks
  - Data drops and the analysis of this
    - Resource monitoring
  - Staff training (webinars, meetings, courses)
  - Subject lead keeping up to date with the science curriculum, research and training





# Useful website to support science at home

https://www.stem.org.uk/home-learning/primary

Free activities and materials put together by subject experts.

https://explorify.wellcome.ac.uk/blog/explorify-during-schoolclosures

A set of collections of activities based on the primary Science curriculum to do at home.

http://www.show.me.uk/section/science

Science and technology games, collection objects, homework help and more from museums and \*galleries.



# Useful website to support science at home

https://pstt.org.uk/resources/curriculum-materials/Science-Funat-Home

Simple and engaging practical science activities.

https://www.bbc.co.uk/bitesize/primary

Videos, quizzes and practical activities to do at home.



