

PEMBRIDGE CE PRIMARY SCHOOL LEARNING JOURNEY ITINERARY

Pembridge is a school where we encourage everyone to be inspired through faith in God and to live by Christian values so that our teaching and learning is of the highest quality, our whole community flourishes and we reflect all that is worthy of praise.

SUBJECT: Science

YEAR: A

TERM: Summer 2

YEAR GROUPS: 3/4

KEY QUESTION: How can we discover what is under our feet?

PREVIOUS KNOWLEDGE We would expect most children to already be able to:

- Make careful observations of materials
- Speculate on where rocks come from
- Recognise some fossils and their significance.

End of Unit Objectives

*Some children will not yet have met what is expected and show they are **emerging** because they can:*

- Choose some appropriate descriptions to apply to rocks studied. **KQ1**
- With support, complete diagrams to show rock formation **KQ2**
- Order diagrams to show the formation of fossils. **KQ3**
- .With support, draw the rock cycle **KQ4**
- With guidance, investigate three soils types **KQ5**

*Most children will show that they have reached the **expected** level because they can:*

- Describe the rocks studied in detail. **KQ1**
- Draw diagrams with some given annotations **KQ2**
- Draw and annotate diagrams to illustrate the formation of fossils **KQ3**
- .Draw the rock cycle and diagrams to illustrate it **KQ4**
- Investigate three soils types with accuracy and due regard for fair investigation **KQ5**

*Some children will have gone beyond the expected level and show that they are **exceeding** because they can:*

- Describe rocks in appropriate detail and show an awareness of their differences **KQ1**
- Complete diagrams with annotations written independently. **KQ2**
- Explain the formation of fossils through diagrams and explanations and comment on the work of Mary Anning. **KQ3**
- .Draw and annotate the rock cycle , making links between its elements **KQ4**
- Make suggestions about how soil might be investigated and suggest why these would be useful **KQ5**

ASSESSMENT OPPORTUNITIES – What are children aiming for?

Children will be able to demonstrate their learning through:

- Verbal responses during discussion in lessons and further questioning to extend their understanding.
- Quality and extent of observational and investigative skills
- Showing an understanding of simple diagrams
- Ability to draw and annotate a simple diagram to help to explain

ENRICHMENT OPPORTUNITIES –

What can we give children along the journey to help them remember more?

We will endeavour to include:

- A good variety of rocks for investigation
- Research opportunities to guide their own learning.
- Encouragement of the construction of diagrams/ models to aid understanding

CROSS-CURRICULAR LINKS –

What links can we make to help children make sense of what we want them to know and be able to do?

This itinerary fits with our other learning through

- English – use of precise language/ reading: life of Mary Anning
- Art - drawing rocks accurately

LEARNING BEHAVIOURS *Children will be expected to:*

Tries new things	Make the most of new investigative opportunities.
Works hard	Respond to pink marking in order to further understanding.
Concentrates	Complete tasks within the given time frame.
Self-motivates	Ask questions to extend knowledge and understanding.
Imagines	Apply imagination to e.g. fossilised animals.
Improves	Make additions or corrections based on feedback.
Understands others	Work as part of a group during exploration and investigation.
Doesn't give up	Pursue a tricky task such as drawing rocks with accuracy.