



SCIENCE

# STICK TO THE PLAN!

- Matching the Long Term Plan
- Using the Progression Grid
- Keeping it subject specific.
- Focussed!



# ROSENSHINE

## KNOW MORE, REMEMBER MORE!




| Activity  | Example   |
|---|---|
| Quizzes   | True or false, A B C D,   |
| Bingo   | Give children a grid with key scientific vocab, knowledge and definitions; in partners can they match. Teacher gives a definition, chn cross off the correct vocab. |
| Flashcards  | Recap prior taught vocab through flashcards and the use of lolly pop sticks (prev taught vocab on lolly sticks, pull out at random)                                 |
| Name generator                                      | Powerpoint with key vocab, knowledge, questions and land on one randomly and the children discuss the meaning/answer.   |
| 'Fill in the gaps' from KO                          | Give children knowledge organiser with some gaps and the children have to complete  |
| 'Fill in the gaps' - Label                          | Diagrams e.g. the heart, where the children have to fill in the gaps of the labels.   |
| Match the vocab to the definition                   | Give some children vocab, others the definition, need to find each other and match up.  |
| Images – match the image/label the image            | Fill in the blanks to label the image. Can the children identify the key vocab/knowledge to match the image.  |
| Spot the mistake – convince me cards                | Giving the children in pairs/groups convince me cards linked to the knowledge they have been taught.  |
| (WS) Completing conclusion statements               | The wider the surface area, the quicker the liquid evaporates.  |
| (WS) Identifying and classifying – sorting activity | E.g. herbivore, carnivore, omnivore.  |
| Round Robin   | 'Name as many herbivores as you can, pass the whiteboard round'   |

# Question Examples – Animals inc Humans

## ▶ **Bad**

- ▶ What is a mammal?
- ▶ What is a carnivore?
- ▶ What animals have gills?
- ▶ What do you call an animal that only eats plant matter?
- ▶ Name a type of tooth?

## ▶ **Good**

- ▶ What are the similarities and differences between mammals and reptiles?
  - ▶ All carnivores are at the top of all food chains. Is this always/sometimes/never true? Convince me.
  - ▶ Identify the main teeth in the human mouth and their functions.
  - ▶ Animals with gills can only live in the water. Convince me.
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- Several white lines of varying lengths and angles are drawn in the bottom right corner of the slide, creating a modern, abstract graphic element.



## GREATER DEPTH

- What does a greater depth learning look like?
- How do we plan for it?
- How do we show it?
- Stretch and Challenge Greater Depth – Website.

# LETS HAVE A LOOK AT THE BOOKS!

- Coverage
- Knowledge Organisers
- Progression
- Matching the intended learning outcomes
- Correct Objectives
- Subject Specific
- Quality – Does it tell the subject story well?
- Can we tell the difference between GDS and EXP?
- Seesaw, Photos and Speech Bubbles!
- KWL and Vocab.



# PLANNING AND RESOURCES

- Hamilton Trust
- Twinkl
- Stem
- Explorify
- BBC Bitesize
- British Science Week
- Greater Depth Book
- Going Deeper in Science – Owen Phillips

Resources and Ordering – Please Ask!!!