# Year 1 Home Learning Challenges

Here's a selection of homework ideas to support the topics we are covering at school. This homework is optional, but we strongly encourage our pupils to share their knowledge and ideas with adults at home so that we can all inspire a love of learning.

**Year**: 1 **Term**: Spring **Topics**: Digging for Dinosaurs

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| **Speaking, Listening & Writing**  | Invent a new dinosaur and write a description about it. Use adjectives and scientific vocabulary to describe its appearance, diet, habitat etc. | Make a dinosaur fact-file of your favourite dinosaur. You could use the headings:<br>Appearance<br>Diet<br>Habitat | Create a list of foods a herbivore dinosaur might eat if they were alive today.<br>**Challenge**:<br>Use commas in a list. | Write instructions on how to look after a pet dinosaur! | **Computing**:<br>Online RWI Phonics<br>Teach your Monster to Read. |
|  **Problems, Science & Maths** | Research the real-life length of dinosaurs and their footprints. Draw them outside using chalk and then measure them with a ruler. | Draw and label a picture of a dinosaur. Research the different body parts that a dinosaur might have (e.g. horns!) so that you can label them all successfully. | Research characteristics of carnivores/herbivores. Draw/label a picture of each type of dinosaur. E.g. sharp teeth on carnivores.<br>**Challenge**: Explain why they have these characteristics. | Research dinosaurs and make a dinosaur time-line. | **Computing**:<br>Have a go at coding using the free Beebot App |
| **Art & Design**  | Draw a picture of the world when dinosaurs were alive and the world today.<br>Explain the similarities and differences to your adult. | Use fruit/food to make a 3D dinosaur. | Make a dinosaur skeleton. Using cotton wool buds /match sticks / sticks / pasta etc. | Think about what you already know of Pointillism. Can you create a dinosaur picture in this way? | **Eco-Challenge**<br>Research an animal that is close to being extinct (like the dinosaurs). What can we do to save it? |
| **Constructing & Creating**  | Create a 3D dinosaur model using junk materials. | Create your own dinosaur dance, exploring the many ways dinosaurs moved.<br>Can you name the movements?<br>Ask your adult to film it to share with the class. | Using Salt dough, create some dinosaur bones/fossils.<br>Bury them in sand/mud and using a paint/pastry brush to dig them up like an archaeologist. | Create a menu for a dinosaur restaurant. Think about different options for carnivores/herbivores. | Make a dinosaur mask. Share a photo on Showbie and let your friends guess which dinosaur you are. |

Every Child a Scientist.

# Science

Thinking Like a Scientist

Carbon 6 12.017

Life Systems

**What is Science?**
Science is a thrilling adventure where curious explorers ask questions and find answers about the world.
Scientists use tools, conduct experiments and make discoveries to understand how things work.

**What qualities does a Scientist have?**
Respectful, curious, investigative, resilient, imaginative

**What do I already know?**
Life cycles of plants and animals.
Weather around the world.
Animal habitats.
Observing the changing seasons.
Observing and drawing the natural world.

**What equipment will help me?**
Magnifying glass, ice, balloons, waterproofing materials, STEM week experiments.

| Investigative skills | As a scientist, I can… | Enquiry question and knowledge |
|---|---|---|
|  | Use simple features to identify and compare<br>Describe and compare the structure of a variety of common animals | What is a carnivore? |
| | Use simple features to identify and compare<br>Describe and compare the structure of a variety of common animals | What is a herbivore? |
| | Use simple features to identify and compare<br>Describe and compare the structure of a variety of common animals | What is an omnivore? |
|  | Identify different mammals.<br>Name different mammals.<br>Describe the structure of mammals. | Have mammals evolved from dinosaurs? |
| | Identify different amphibians.<br>Name different amphibians.<br>Describe the structure of amphibians. | Have fish evolved from dinosaurs? |
| | Identify different fish.<br>Name different fish.<br>Describe the structure of fish. | Have amphibians evolved from dinosaurs? |
| | Identify different reptiles.<br>Name different reptiles.<br>Describe the structure of reptiles. | Have reptiles evolved from dinosaurs? |
| | Identify different birds.<br>Name different birds.<br>Describe the structure of birds. | Have birds evolved from dinosaurs? |
|  | Describe the weather in spring.<br>Explain the day length varies. | What happens in the season of spring? |

**Wider thinking Diversity/inspirational people and jobs.**

Zoologist – Tanesha Allen
Fossil Hunter – Mary Anning

**Tier 3 Vocabulary**
carnivore
herbivore
omnivore
evolved
mammals
fish
amphibians
reptiles
birds
seasons
winter
spring

**Key Question? (Assessment question)**

What did dinosaurs eat?

Which animals have evolved from dinosaurs?