



# ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: Science – Living things and their habitats

YEAR GROUP: 6

TERM: Spring

<p><b>Vocabulary</b></p> <ul style="list-style-type: none"> <li>species</li> <li>algae</li> <li>bacteria</li> <li>classification</li> <li>fungi</li> <li>invertebrate</li> <li>micro-organism</li> <li>taxonomy</li> <li>vertebrate</li> <li>virus</li> <li>Linnaeus</li> <li>habitat</li> <li>yeast</li> <li>reaction</li> </ul>	<p><b>Skills</b></p> <p><u>Enquiry and working scientifically skills (UKS2)</u></p> <ul style="list-style-type: none"> <li>• plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>• take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>• record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <li>• use test results to make predictions to set up further comparative and fair tests</li> <li>• <b>report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</b></li> <li>• <b>identify scientific evidence that has been used to support or refute ideas or arguments.</b></li> </ul>	<p><b>What we already know</b></p> <p>As part of their general knowledge, some children may know some basic concepts about this unit including...</p> <ul style="list-style-type: none"> <li>• germs can spread by touching (hands or surfaces)</li> <li>• Scientists from many years ago made discoveries which are still evolving, and we are learning more about today.</li> </ul> <p><u>KS2 knowledge</u></p> <ul style="list-style-type: none"> <li>• Y3/Sp – What is an invertebrate/vertebrate?</li> <li>• Y4/Su2 – Living things and their habitats – Living things can be grouped in different ways/explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</li> </ul>
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**Illustration/Outcomes**

**Bacteria investigation**

**Sorting and classifying**

**Microbe information poster**

**Research into Carl Linnaeus: Scientist famous for taxonomy – identifying, naming and classifying organisms**

**Concepts**

- Microorganisms: Micro – too small to be seen with naked eye, Organism – single cell life form
- Microorganisms are everywhere and live in bodies, air, water and surfaces.
- There are so many species of living things ‘classification systems’ are needed
- Many species are yet to be discovered
- Some microbes are helpful, and others are harmful

*Outdoor learning: create own classification system in local environment*

**Other/Cross -Curricular links with English/Maths/Adaptation for SEND**

SEND – (word banks, differentiated tasks, adult support, use of I pads for research etc)

Maths – use of a range of tables and keys to record and classify

