

# ALDER COPPICE PRIMARY SCHOOL UNIT INFORMATION

| SUBJECT: Science                 |   | YEAR 3 | FOCUS: Biology and Physics  | SPRING TERM<br><b>UNIT 3: Biology – Skeletons and Muscles</b><br><b>UNIT 4: Forces and Magnets</b> |
|----------------------------------|---|--------|---|--|
| Knowledge Focus                  | <b>BIOLOGY</b><br><b>Animals, including humans</b>  |        | <b>PHYSICS</b><br><b>Forces and Magnets</b>   |  |
| National Curriculum Knowledge    | <p><i>-identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</i></p> <p><i>-identify that humans and some other animals have skeletons and muscles for support, protection and movement.</i></p> |        | <p><i>-Compare how things move on different surfaces</i></p> <p><i>-Notice that some forces need contact between two objects, but magnetic forces can act at a distance</i></p> <p><i>-Observe how magnets attract or repel each other and attract some materials and not others</i></p> <p><i>-Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials</i></p> <p><i>-Describe magnets as having two poles</i></p> <p><i>-Predict whether two magnets will attract or repel each other, depending on which poles are facing.</i></p> |  |
| <b>Year 3</b><br><b>Spring 1</b> | <b>Skeletons and Muscles</b> <ul style="list-style-type: none"> <li>➤ Know what makes a healthy and balanced diet and what this provides.</li> <li>➤ Name key parts of the skeleton and understand how it provides protection, movement and support.</li> <li>➤ Understand how muscles work</li> </ul>            |        |   |  |
| <b>Year 3</b><br><b>Spring 2</b> |   |        | <b>Forces and Magnets</b> <ul style="list-style-type: none"> <li>➤ To know that forces are pushes or pulls.</li> <li>➤ To know that surfaces affect the motion of an object through friction or gravity.</li> <li>➤ To know how magnets and magnetic poles work.</li> <li>➤ To know which materials are magnetic/non-magnetic.</li> </ul>   |  |

