



Medium-Term Planning



Subject: Science

Term and Year:	Autumn 2 2021 Year 5
Teacher:	Miss Swan
Unit:	Classifying Organisms
Vocabulary that will be taught:	classification organism mammal amphibian reptile fish bird insect mollusc crustacean arachnid micro-organism fungi bacteria
National Curriculum Objectives: <ul style="list-style-type: none">describe how living things are classified into broad groups according to common observable characteristics, and based on similarities and differences, <i>including micro-organisms, plants and animals</i>give reasons for classifying plants and animals based on specific characteristics	
Science Skills: <ul style="list-style-type: none">identify when and how to use testsrecognise and control variablesevaluate original hypothesis against observed evidence and reach appropriate conclusionsidentify causal relationshipsbegin to identify how reliable the data is.	
Focus of each lesson	Activities/Key points

Lesson 1	<p>Y6 make periscopes Autumn 1 Assessment - unit quiz</p> <p>Can I recap ways of grouping organisms according to their characteristics?</p>	<ul style="list-style-type: none"> • PPT - matching organisms to the correct label. Discuss. • Children to sort animals into the correct category. • Poster/presentation to describe each of the groups of animals and explain their features. <p>Challenge Yes, No quiz. Partner work - to think of questions using scientific vocabulary to work out what the animal is.</p>
Lesson 2	<p>Can I explore ways of distinguishing between organisms that have similar characteristics?</p>	<ul style="list-style-type: none"> • Discuss criteria that we could use to group a selection of birds. Share ideas and give reasons. • Children to work in groups to sort insects into groups. Record groupings on large sheet of paper. Groups to share ideas and reasons. • Children to distinguish between different types of plants by creating a classification key to identify each one.
Lesson 3	<p>Can I find out about Carl Linnaeus and his classification system?</p>	<ul style="list-style-type: none"> • Children to write a report on their chosen animal family.
Lesson 4	<p>Can I explore what micro-organisms are and how they can be grouped?</p>	<ul style="list-style-type: none"> • Show the children the five kingdoms of the classification system. Discuss. • Children to think of as many facts that they know about micro-organisms. Think of a question they would like to find the answer to. Research to find the answer. • Working Scientifically Yeast experiment

Lesson 5	Can I research a variety of organisms found in another country?	<ul style="list-style-type: none">• Children to choose country to explore.• Paired work.• Presentations.
Lesson 6		Review of unit <u>End of Unit Quiz</u>