

Secondary Science Scheme of Work Proforma:

Module title / topic ___Environment and Feeding Relationships (Topic 7)_____ **Duration of scheme** _____7 lessons_____

Year Group _____7_____ **Set (if applicable)** _____2_____

Title	Learning Objectives	Learning Outcomes	NC ref.	Suggested Activities	Resources	Health & Safety	Links to Other Areas – Numeracy, Literacy, ICT and SMCS	Assessment	H/work
<p style="text-align: center;">7Ca Home sweet habitat</p>	<p>Pupils will learn</p> <p>- To describe and look at how different habitats allow different organisms to survive.</p>	<p>Pupils will be able to learn...</p> <p>-that different habitats have different features</p> <p>-that different habitats support different organisms</p> <p>-that the distribution of organisms in different habitats is affected by environmental factors, e.g. light, nutrients or water availability.</p>	<p>Ks3 Exploring Science book Pages 30-31 (What a habitat is?) NC 3-5.</p>	<p>As starter activity pupils will see different types of habitats and they need to identify them, as well saying name of organisms that we may find in the different habitats.</p> <p>Pupils will write the definition for habitat and microhabitat.</p> <p>Worksheet 7Ca/3 to complete.</p> <p>Interactive worksheet to recap the lesson as plenary.</p>	<p>Computer Power point Exploring science worksheets. White board Cards Text book Exercise book</p>	<p>Lesson totally safe for pupils.</p>	<p>Literacy knowledge (worksheet and pupils feedback), ICT, and numeracy (Pupils will draw a table and spot concepts).</p>	<p>Check pupils' misconceptions being aware of their subject knowledge.</p>	<p>Pupils will go home and make research about different types of habitats.</p>

7Cb Adept adaptations	Pupils will learn... To identify and look at how some animals adapt to their environment on a daily basis.	Pupils will be able to learn That some animals are adapted to daily changes in their habitat.	Ks3 Exploring Science book Pages 32-33 (Adept adaptations) NC 5-7.	As starter pupils will watch a video about animals developing adaptations to survive in their habitats. -Pupils will work by groups and make an A4 poster about animals and plants adaptations making a short presentation. Plenary Worksheet to complete.	Computer Power point Exploring science A4 sheets Felt tips White board Cards Text book Exercise book	Lesson totally safe for pupils.	Pupils will cross link with literacy knowledge as well developing skills to learn how to work by groups, planning and considering some important concepts ICT resources will be used as visual aids.	Assessing pupils poster as the main class target to achieve the learning objectives and outcomes.	Pupils will complete a worksheet at home to consolidate the lesson main ideas.
7Cc All change	Pupils will learn... to look at how some animals adapt to yearly changes in the environment	Pupils will be able to learn -how some animals are adapted to seasonal changes in their habitats -that adaptations may be to avoid climatic stress.	Ks3 Exploring Science book Pages 34-35 (Daily and seasonal changes) NC 5-6.	As starter pupils will identify animals that hibernate. Pupils will make a practical investigation (7C/1) about seasonal changes (water fleas). Interactive quiz as plenary.	Computer Power point Exploring science worksheet. White board Cards Text book Exercise book	See risk assessment attached to lesson plan.	Pupils will develop some investigations skills as well thinking skills by making an investigation activity. Link with literacy and numeracy.	Assessing Pupils investigation worksheet as well considering behaviour during practical.	No homework for this lesson.

<p>7Cd Predators and Prey</p>	<p>Pupils will learn... To look at the relationships between predators and prey.</p>	<p>Pupils will be able to learn... -that animals have features which are adaptations against predators -that animals are adapted to their particular food source. - about characteristics of predator and prey species.</p>	<p>Ks3 Exploring Science book Pages 36-37 (Adaptations of predators and prey) NC 5-7.</p>	<p>-Starter activity with possible worksheet to introduce idea about camouflage in snails. Pupils will see pictures of different animals and their adaptations to find food. -Practical activity about camouflage (activity outside the room). -As plenary pupils need to identify herbivores and carnivores using the same pictures of the starter activity. <i>If time show modells as a software to explain predator and prey idea.</i></p>	<p>Computer Power point Exploring science worksheet. White board Traffic light Cards Text book Exercise book</p>	<p>See risk assessment attached to lesson plan.</p>	<p>Pupils will cross link with ICT and literacy knowledge to understand the topic.</p>	<p>Assessing pupils' homework and subject knowledge during lesson.</p>	<p>Pupils need to bring pictures as an example of prey and predators.</p>
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7Ce Food Webs	Pupils will learn... to look at how organisms in a habitat are linked together in a food web	Pupils will be able to learn... -that all the organisms in a habitat can be linked together in food webs -that food webs are made up of a number of food chains which start with plants -that arrows in a food chain represent energy transfer -that factors influencing the number of organisms in one part of a food web have an effect on other parts of the web.	Ks3 Exploring Science book Pages 39-43 (Food Chains and Webs) NC 4-7.	Using the idea of predators and prey to make pupils achieve the concept of food chain and food web. Pupils will write notes about producer, consumer, top predator, herbivore and carnivore. Game about food chain and web using pupils as animals' characters. Worksheet to complete as plenary.	Computer Power point Exploring science worksheet. White board Text book Exercise book A4sheets identifying animals.	Lesson totally safe for pupils.	Pupils will cross link with ICT and literacy knowledge to understand the topic	Pupils class interaction as well pupils' worksheet for homework.	Worksheet-food web to complete.

7Ce Food web detectives	Pupils will learn... to look at how organisms link together in food webs	Pupils will be able to learn... -to make careful observations of plants and animals and sources of evidence about animals' food. -to link organisms together in food webs. -that some plants have adaptations to deter animals from feeding on them.	Ks3 Exploring Science book Pages 39-43 (Food Chains Webs and Finding evidence) NC 4-7.	Starter activity introducing the idea of carrying out an investigation about food webs. Game about how organisms link together in the right food webs. Class notes if necessary. As plenary pupils will have a quiz to consolidate the last lessons aims.	Computer Power point Exploring science worksheet. White board Text book	Lesson totally safe for pupils.	Pupils will cross link with ICT and literacy knowledge to understand the topic. Pupils will also develop some communication skills by playing a knowledge game walking around through the room.	Quiz as plenary to assess pupils' knowledge.	Pupils need to revise unit for the end of unit test.
End of Unit Test									