## **Secondary Science Scheme of Work Proforma:**

Module title / to	<b>opic</b> Adaptation in	animals (B1b 5.1) + <sup>-</sup>	Theories of evolution (B1b	7.1)	Duration of scheme_	_3/4 lessons
Year Group	10		Set (if applicable)	A4_		

Title	Learning Objectives	Learning Outcomes	NC ref.	Suggested Activities	Resources	Health & Safety	Links to Other Areas – Numeracy, Literacy, ICT and SMCS	Assessment	H/work
Adaptatio n in animals and plants	Students will learn why animals and plants develop adaptations to the environmen t to understand what is volume ratio? - to define the term adaptation as well describe examples of animals adapted to	Students will be able to learnthat animals and plants are adapted for survival in their particular environmentthat volume ratio is the relationship between body size and surface areato describe the adaptations shown by plants in dry climates.	AQA GCSE Science Topic B1b 5.1 (Adaptat ion in animals and plants).	Students will watch a video about adaptation in animals and answer some questions (page 85) about the topic. Revision booklet made by the trainee teacher to support pupils. Each pupils will make a short presentation about an animal adaptation to the environment.	Computer Video Revision booklet Text book Power Point	Lesson totally safe for pupils without practical.	Literacy by writing some notes and by developing communication skills during presentation. ICT used to show the video.	1 <sup>st</sup> lesson to get know pupils and be aware of some misconceptio ns as well pupils subject knowledge.	No homework

Adaptatio n in animals and plants	survive in cold and dry climates.  -to define and describe reasons for competition in animals and plants to survive.	-to understand that competition is necessary for survival.	AQA GCSE Science Topic B1b 5.1 (Adaptat ion in animals and plants).	Starter activity to recap last lesson. Pupils will answer to a short quiz recapping last lesson main ideas.  Pupils will read the revision booklet and answer to summary questions(page 87) Class notes if necessary.	Computer AQA science text book Quiz Exercise books Revision Booklet	Lesson totally safe for pupils without practical.	Literacy by writing some notes and by developing communication skills during presentation. ICT used to show the video. Citizenship when teacher speaks about animals' extinction.	Pupils' summary questions.	Worksheet (page 89)
The origin of life on Earth	Students will learn to  - understand the nature of fossils and their importance.  -identify and describe the	Students will be able  -to describe fossils as evidence for the existence of prehistoric plants and animalsto suggest reasons why scientists cannot be certain about	AQA GCSE Science Topic B1b 7.1 (The origin of life in Earth).	Introducing the unit by some Q+A about last lesson.  Students will pay attention to teacher instructions and use the booklet to start answering some revision questions about the topic.	Computer AQA science text book Quiz Exercise books	Lesson totally safe for pupils without practical.	Literacy by writing some notes and by developing communication skills during presentation. Link with numeracy skill by interpreting data.	Last lesson homework.	Revise new topic.

Extinction	Students will learn to explain environmen tal changes causes and consequen ces? -to describe the reasons	environmental changes.  -describe the genes which have enabled individuals to	AQA GCSE Science Topic B1b 7 (The origin of life in Earth)	Start unit with short video about predators and competitors.  Class notes about causes of environmental changes.  Listen to pupils doubts about the topic and explain again before end of unit test (AQA	Computer AQA science text book Exercise books video	Lesson totally safe for pupils without practical.	Literacy by writing some notes and by developing communication skills during presentation. ICT used to show the video. Citizenship	Pupils' presentation about last homework task and also pupils test.	No homework for next lesson.
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	selection?	generation and that this is one of the contents of natural		approach all the last lessons contents reinforcing pupils knowledge.			extinction.		
		selection theory.		Milowieuge.					