

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: Igneous Rocks

Group 8Y

Location

Date/Time 20th April / 0h10 to 11h10

Learning Objectives

Pupils will learn...

- to look at how igneous rocks are formed and be able to describe and name some rocks examples.

Learning Outcomes

Pupils will be able...

- to learn that igneous rocks are formed when magma inside the Earth cools down.
- to describe volcanoes as a phenomenon that causes igneous rocks being formed.
- to identify and describe granite and basalt as examples of igneous rocks.

National Curriculum/Syllabus References

Ks3 Biology, Exploring science text book (pages 98-99), Rock Texture. NC4.

Links to other areas

Lesson will cross link with literacy science knowledge as well pupils will develop some investigation skills (exploring and obtaining) by putting hands on work making volcanoes to understand how igneous rocks are formed.

Previous assessment details informing this lesson.

Last lesson short test /worksheet that I've marked to check pupils difficulties about the last topic.

Differentiation

Level 3-4 class. I will use a practical activity that allows pupils from level 3-4 to develop further knowledge by exploring, developing and obtaining knowledge when putting hands on work.

Health and Safety

Lesson totally safe for pupils. See risk assessment attached.

Lesson Development

Timing (min)	Teacher activity	Pupil activity	# Resources	Assessment Items
3 min	Register	Pupils will pay attention to class register.	Teacher planner	-
10	Setting starter activity that lead to a last lesson review. Correction of the last lesson test/worksheet. Note: Hand in sheets to pupils, having possibility to check their answers.	For starter, pupils will recap last lesson and consolidate sedimentary and metamorphic rocks ideas. Pupils will interact to correct last lesson test/worksheet about metamorphic rocks.	Computer Power point Sheets Exercise books.	Effort to do and participate into starter activity. Behaviour during the lesson.
3	Sharing lesson aim with class.	Pupils will know the lesson aim that involves to look at how igneous rocks can be formed as well name some rocks examples.		
5min	Brief Introduction about igneous rocks.	Pupils will pay attention to brief introduction about igneous rocks. They will observe two igneous rocks examples (granite and basalt) as well understand the importance of volcanoes when related with igneous rocks being formed.	White board Computer Power point Exercise books Granite basalt	Q+A

25	Setting Practical Activity	Class will work by groups of 2/3 to make a volcano and label it. They need to pay attention to all the instructions to be able to understand the task and hopefully develop further knowledge using investigation practical skills.	Computer Power point Note: See risk assessment attached to check practical equipment.	I will be aware of some misbehaviour and assess pupils' way of work by groups to develop a practical activity.
5	Cleaning Lab	Pupils will finish practical hopefully on time and help teacher packing and cleaning all the material.	<i>Note: All practical equipment detailed on risk assessment form.</i>	Pupils organization.
4	Setting plenary activity	Opportunity to pupils consolidate the topic by watching a short video about volcanoes and igneous rocks.	Computer video	-
5	Setting the homework	Pupils will take a homework sheet home about the last lessons to reinforce topic.	Homework sheet Planner	I will mark the homework

Lesson Evaluation

Lesson Rating – My Performance *(To be completed at the end of every lesson)*

Criteria	Very Good	Good	Satisfactory	Unsatisfactory
Knowledge				
Resources				
Lesson Objectives				
Behaviour Management				
Risk Assessment				
Differentiation				
Feedback to pupils				
Assessment				
Variety & Pace				
Level appropriate				
Visuals – high quality?				

General Comments (Improvements for your teaching and/or pupil learning)

Were your Outcomes Achieved? (Include details of Evidence)

Teachers Lesson Rating – *(To be completed at the end of every lesson)*

Criteria	Very Good	Good	Satisfactory	Unsatisfactory
Knowledge				
Resources				
Lesson Objectives				
Behaviour Management				
Risk Assessment				
Differentiation				
Feedback to pupils				
Assessment				
Variety & Pace				
Level appropriate				
Visuals – high quality?				

Teacher Comments