Secondary Science SBE
Lesson Plan Framework

Lesson Title: Reproduction

Group 10A4 **Location** M23 **Date/Time** 5th June 9h10 to 10h10

Learning Objectives
Students will …

- learn to define and describe the main differences between sexual and asexual reproduction.
- learn to describe how does sexual reproduction produce variety in offspring.

Learning Outcomes
Students should be able to…

- define sexual reproduction as the joining of male and female gametes.
- define asexual reproduction as reproduction without sex involving just one parent.
- understand that sexual reproduction lead to variety in offspring because there is a mixture of genetic information from the parents.

National Curriculum/Syllabus References (incl. reference to previous KS)
Ks4 Biology, GCSE Science, text book AQA Science, unit B1b 6 – Variation, sub topic types of reproduction.

Links to other areas
Students will be able to learn the lesson topic using some kinaesthetic learning styles; literacy skills and citizenship.

Previous assessment details informing this lesson.
Last lesson was useful to make pupils developing new kinaesthetic learning styles linked with their subject knowledge.

Differentiation
I will use different learning styles, like visual aids, kinaesthetic activity, writing skills, for the entire class have the opportunity to develop further knowledge by using a variety of learning styles able the entire class to develop further knowledge on different learning areas.

Health and Safety
Lesson totally safe for class.

Lesson Development

Timing (min)	Teacher activity	Pupil activity	# Resources	Assessment Items
3	Register	Students will pay attention to the register	Teacher planner	-
10	Sharing lesson objectives as well setting instructions for the starter activity.	Students will pay attention to lesson objectives, understanding what sexual and asexual reproduction is? As a starter students will finish last lesson poster, making a creative diagram of the DNA model identifying chromosomes, genes, cell and nucleus.	Computer Projector Posters Felt tips Paper Colour pencils etc.	Make sure that all students are on task.
10	Going over a power point to give a brief explanation about the topic. Writing some key concepts on the board (e.g. **DNA, CHROMOSOME GENES, GAMETES, FERTILISATION, SEXUAL AND ASEXUAL REPRODUCTION**).	Students will be listening and giving some feedback.	Computer Power point White board booklet	Q+A
15	Setting instructions for main activity	Students will pay attention to teacher explanation about the different types of reproduction and need to use the booklet to answers some key questions: What is sexual and asexual reproduction? Why does sexual reproduction lead to variety in offspring?	Computer Books Booklet Text books	Assessing students developing science research as well thinking skills.

10	plenary activity	Going over the answers for the last task, checking misconceptions and making sure that all class learnt.	Books White board	Q+A Assessing students answers.
5	Setting instructions to do the homework. ***Note: Handing in revision questions + answers to students study it at home.***	Students need at home to try writing definitions of cell, nucleus, gene, chromosome and DNA. Cleaning desk and be ready to go.	books	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