

**Secondary Science SBE
Lesson Plan Framework**

Lesson Title: Problems of Genetic Engineering

Group 10 B1

Location M21

Date/Time 14th May 13h15 to 14h15

Learning Objectives

Students will learn...

- to Investigate and describe the effectiveness of gene therapy to prevent inherited conditions and diseases.

Learning Outcomes

Students will be able...

- to investigate and explain the advantages and disadvantages of genetic engineering by giving their points of view.

National Curriculum/Syllabus References

Ks4, BTEC, 1st Certificate in Applied Science, Topic D5 – Gene therapy

Links to other areas

ICT, developing thinking and investigative skills, kinaesthetic learning styles and literacy.

Previous assessment details informing this lesson.

Last lesson was useful to check students that have pass the task understanding the main requirements of the topic.

Differentiation

By giving to entire class the opportunity to pass, achieving a merit and a distinction grade for the task.

Health and Safety

Lesson totally safe for students.

Lesson Development

Timing (min)	Teacher activity	Pupil activity	# Resources	Assessment Items
3	Register	Students will pay attention to class register.	Teacher planner	-
2	Sharing lesson aim.	Students will know the lesson aim about investigating problems and advantages of genetic engineering in the society.	White board	-
5	Introducing task	Students will be paying attention to teacher instructions about the task. Giving some ideas of current problems (like cloning, food genetically changed, design babies etc.) to students be aware of the task. Giving opportunity to class discussion about the topic.	White board Books A3 sheets Colour pencils Books Survey worksheets	Effort to do and participate into task. Behaviour during the lesson.
45	Walking around to support students during the task.	Writing on each A3 poster, some ideas and problems of genetic engineering that they've already wrote on a survey. Teacher will give if necessary some information about the topic to support class and the task.		Assessing students' developing their work to do the task. -
5	Cleaning and get students ready for next lesson.	Students will pack away and be prepared to move to another lesson.	-	-

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