

**Secondary Science SBE  
Lesson Plan Framework**

**Lesson Title:** Problems of Genetic Engineering

**Group** 10 B1

**Location** M21

**Date/Time** 11<sup>th</sup> May 9h10 to 10h10

**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.

**National Curriculum/Syllabus References**

Ks4, BTEC, 1<sup>st</sup> 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	-
15	Introducing task by setting a class discussion.	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 A4 sheets Colour pencils Books Internet information worksheets	Effort to do and participate into task. Behaviour during the lesson.
35	Walking around to support students during the task.	Writing by groups some ideas and problems of genetic engineering. Teacher will give 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)*

<b>Criteria</b>	<b>Very Good</b>	<b>Good</b>	<b>Satisfactory</b>	<b>Unsatisfactory</b>
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)*

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

Teacher Comments

