

LESSON PLAN (PERIOD WISE)

SUBJECT: Science

GRADE: X

Chapter Number and Title of Chapter	8, How do organism reproduce?
No. of Periods	01 period (approx. 40 min each)
Learning Objectives	Given the content (chapter) the learners will be able to 1. Define reproduction 2. How do the organisms create exact copies of themselves 3. What are variations and what is their importance? 4. Mode of reproduction in single celled organisms. 5. What is vegetative mode of reproduction?
Teaching Aids / Resources	Videos (Teaching and Explanation) PPT Concept Map
Previous Knowledge/ Curiosity Questions	1. What are living beings. 2. What are the characters of living beings. 3. How the continuity of life maintained on the earth.
Announcement of topic	Reproduction in single celled organisms and importance of variations in reproduction.
Teaching Methodology/ Strategy	Transaction would proceed in the following manner- Suggestive Methodologies: <i>Brain Storming</i> / The class will start with discussion about living and non living organisms and how their continuity is maintained on the earth. How the plants reproduce and how the reproduction is different in animals. Active learning- The explanation about the reproduction is done with PPT Group learning- The explanation about the reproduction and continuity of life on the earth, importance of variation in reproduction, reproduction in single celled organism and vegetative reproduction will be done in class. Questioning- It will be done on the various topics discussed in group learning. <i>Guided practice followed by Independent Practice-</i> NCERT questions to be discussed in the classroom.

Content Obligatory Vocabulary (Keywords)	Reproduction, variations, asexual reproduction, germ cells, fission, fragmentation, regeneration, budding, vegetative propagation.
Learning Concepts/ Teaching Points	1. Introduction about reproduction 2. Definition of variations and its importance in reproduction. 3. Reproduction in single celled organisms. 4. Vegetative propagation.
Hard Spots/ Focus Spots	1. Variations 2. DNA copying.
Experiential Content	Students will visit the garden and study the vegetative propagation in mint herb.
Subject Enrichment Activities for Internal Assessment	Grow the plants by vegetative reproduction in your home and send the the photos representing the various phases of growth to the teacher.
Recapitulation :	Teacher will summarize the following 1. Reproduction in single celled organisms. 2. Importance of variations in reproduction. 3. Vegetative reproduction.

Assignment:	1. Define reproduction and its types. 2. What are variations and what is their role in reproduction? 3. What is DNA copying? 4. Explain the different methods of reproduction in single celled organisms. 5. What is vegetative propagation and how it is done?
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