

SALWAN PUBLIC SCHOOL, RAJENDRA NAGAR

CLASS – X

LESSON PLAN

CHAPTER-8: How do organisms reproduce?

CHAPTER-1:	Science : (HOW DO ORGANISMS REPRODUCE)
Class Transaction (3-4 days)	Lesson plan-III Total: 4 periods (approx. 35 min each) Topic: Sexual reproduction in human beings and reproductive health Sub-Topic: Reproduction in Human Beings Sub-Topic: Male Reproductive System Sub-Topic: Female Reproductive System Sub-Topic: What happens when the Egg is not Fertilised? Sub-Topic: Reproductive Health
Pre-requisite for the course (KNOWLEDGE)	This lesson requires: • Basic knowledge of the reproduction. • Understand sexual reproduction in human beings. • Skill acquisition in students making diagrams of male and female reproductive system.
Learning Objectives	Students will be able to: • appreciate the importance of reproduction in human beings. • explain the term puberty and its associated changes in boys and girls. • describe the need of different germ cells and their fusion in sexual reproduction. • illustrate the importance of male and female reproductive organs in reproduction process. • explain the process of fertilization and formation of zygote in human beings. • know the role of placenta and uterus lining in pregnancy. • describe the process of menstruation in human females. • understand the importance of reproductive health. • mention sexually transmitted diseases caused by bacteria and virus. • appreciate the role of contraceptive methods in maintaining population.
Teachers' activity	Introduction: Teacher will introduce the topic by asking various questions from previous knowledge: • Analytical skills (scrutinizing an observation) e.g. To identify different physical and behavioral changes in boys and girls during the onset of puberty. • Teacher will ask students to prepare checklist of physical and

	behavioral changes in boys and girls during the onset of puberty in their notebook which will help the students to relate the term puberty and its associated changes in the teenagers. • Open discussion will be initiated to discuss the different types of changes occur at the age of puberty and male and female sex organs in the process of reproduction. • After showing the prepared diagrams and charts and extensive discussion one crossword puzzle activity will be conducted regarding reproduction in human beings. • Evidence-based active-learning instructional strategies: content will be co-related with real life examples. • Problem solving (investigating and applying established principles to justify an observation). Example- Activity:-Students will be given unlabeled diagrams of both male and female reproductive system and then will be asked to label them with their name and corresponding function. Concept insight: Students will be able to understand different male and female reproductive organs. Activity:-Video clipping will be shown to students regarding the process of fertilization and progress and journey of fertilized egg up to infant. Concept insight: Students will know about the development of baby from the fertilized egg and appreciate the role of each part involved. Activity:-An open discussion will be initiated in the class regarding reproductive health and different contraceptive methods which can be used to prevent pregnancy and maintain gap between the pregnancies. Concept insight: students will be able to understand and become aware about reproductive health and different contraceptive methods. Critical thinking and collaboration: Reproductive Health (Competitive evaluation of given information)
Students' Learning Outcomes	Students would be able to: • appreciate the importance of reproduction in human beings. • explain the term puberty and its associated changes in boys and girls. • describe the need of different germ cells and their fusion in sexual

	reproduction. • illustrate the importance of male and female reproductive organs in reproduction process. • explain the process of fertilization and formation of zygote in human beings. • know the role of placenta and uterus lining in pregnancy. • describe the process of menstruation in human females. • understand the importance of reproductive health. • mention sexually transmitted diseases caused by bacteria and virus. • appreciate the role of different contraceptive methods in maintaining population.
Assessment	• continuously monitor student progress by asking oral questions. • providing active involvement of students in their own learning by giving daily Practice Problems in the class. • peer assessment in Lab Activities • written tests
Self-Study, Assignments, Homework	• Self-Study (Independent Practice)-The teacher would ensure that each student should bring NCERT Book and tries to be independent at the work as well as be under the teacher's guidance. • Guided practice followed by Independent Practice (Question Bank). On completion of the chapter, students will be answering the following revision questions: Q.1 What are the body changes observed in boys and girls at the time of puberty? Q2 Name the sex organs present in human males and females. Q3 Mention the name of male and female gamete in human beings. Q4 Define fertilization. Q5 Explain the importance of placenta in maintain pregnancy. Q6 Describe the process of menstruation in human females. Q7 Why is reproductive health necessary for human beings? Q8 What are STD's? Give some examples. Q9 Explain hormonal and barrier methods of contraception for human beings. Homework: The students, with the help of the teacher, will solve the questions from NCERT back exercise in their notebook.