

NAVY CHILDREN SCHOOLS
SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY THEORY

CLASS: XII

SNO	MONTH	UNIT	CHAPTERS
1	April/June	Reproduction	2. Sexual reproduction in flowering plants 3. Human reproduction 4. Reproductive health
2	July/August	Genetics & Evolution	5. Principles of inheritance & Variation 6. Molecular basis of Inheritance 7. Evolution
3	August/September	Biology and human welfare Ecology & Environment	8. Human health and disease 10. Microbes in human welfare 13. Organisms & populations
4	September	Revision and Half-yearly exam	
5	October	Biotechnology	11. Biotechnology: Principles and processes 12. Biotechnology & its applications
6	November	Ecology & Environment	14. Ecosystem 15. Biodiversity & conservation
7	December	Revision and Pre-boards	

NAVY CHILDREN SCHOOL
SPLIT-UP OF SYLLABUS (2024-25)

SUBJECT: BIOLOGY PRACTICAL

CLASS:XII

SNO	MONTH	EXPERIMENTS/SPOTTERS
1	April/June	1 .Flowers adapted to pollination by different agencies. 2. Observe pollen grains on stigma through permanent slide. 3. To Prepare a temporary mount to observe pollen germination. 4. Identify different stages of gamete development-T.S of ovary & testis. 5. To observe the T.S of Blastula though a permanent slide.
2	June/July	6. Study Mendelian inheritance using seeds of different colours/size. 7. To study prepared pedigree charts of any one- Widow's peak/ rolling of tongue/ blood groups/colour blindness/earlobes. 8. To prepare a temporary mount of Onion root tips to study mitosis.
3	August	9. Flash card model showing homologous and analogous organs 10. To study controlled pollination-emasculation,tagging,bagging 11. Common disease causing organisms: Ascaris, Entamoeba,Plasmodium & any fungus causing ringworm.
4	September	Revision and Half-yearly exam
5	October	12.Study plant population density by Quadrat method. 13.Study plant population frequency by Quadrat method 14. To isolate DNA from available plant material.
6	November	15. Model specimen showing symbiotic association