

Physics (Class 12):

1. Electrostatics
 - Electric Charges and Fields
 - Electrostatic Potential and Capacitance
2. Current Electricity
3. Magnetic Effects of Current and Magnetism
 - Moving Charges and Magnetism
 - Magnetism and Matter
4. Electromagnetic Induction and Alternating Currents
5. Electromagnetic Waves
6. Optics
 - Ray Optics and Optical Instruments
 - Wave Optics
7. Dual Nature of Radiation and Matter
8. Atoms and Nuclei
9. Electronic Devices
10. Communication Systems

Chemistry (Class 12):

Physical Chemistry:

1. Solid State
2. Solutions
3. Electrochemistry
4. Chemical Kinetics
5. Surface Chemistry

Inorganic Chemistry:

6. General Principles and Processes of Isolation of Elements
7. p-Block Elements
8. d- and f-Block Elements
9. Coordination Compounds

Organic Chemistry:

10. Haloalkanes and Haloarenes
11. Alcohols, Phenols, and Ethers
12. Aldehydes, Ketones, and Carboxylic Acids
13. Amines
14. Biomolecules
15. Polymers
16. Chemistry in Everyday Life

Biology (Class 12):

1. Reproduction
 - Reproduction in Organisms
 - Sexual Reproduction in Flowering Plants
 - Human Reproduction
 - Reproductive Health
2. Genetics and Evolution
 - Principles of Inheritance and Variation
 - Molecular Basis of Inheritance
 - Evolution
3. Biology and Human Welfare
 - Human Health and Disease
 - Strategies for Enhancement in Food Production
 - Microbes in Human Welfare
4. Biotechnology and its Applications
 - Biotechnology: Principles and Processes
 - Biotechnology and its Applications
5. Ecology and Environment
 - Organisms and Populations
 - Ecosystem
 - Biodiversity and Conservation
 - Environmental Issues

These are the main chapters covered for the NFFT syllabus from Class 12