

ST. JOSEPH'S CONVENT HIGH SCHOOL, CBSE – CHITTARANJAN

Syllabus Details

Session- 2024-25

Subject – Sc.(Physics)

Class – IX

For Exam – P.T.-I

Books Recommended:

1. N. C. E. R. T. Science & Technology.
2. S. Chand.
3. N. C. E. R. T. Exemplar.

MONTH	BOOKS / SECTION	LESSON(S) / TOPIC(S)	SUGGESTED ACTIVITIES & PROJECTS
APRIL	❖ Motion.	<ul style="list-style-type: none">❖ Define motion.❖ Distance & displacement.❖ Uniform & non-uniform motion along a straight line.❖ Speed & average speed.❖ Velocity & average velocity.	<ul style="list-style-type: none">❖ In your everyday life you come across a range of motions in which:<ul style="list-style-type: none">(a) Acceleration is in the direction of motion.(b) Acceleration is against the direction of motion.(c) Acceleration is uniform.(d) Acceleration is non-uniform.(e) Can you identify one example each of the above type of motion. (Do in 1/4th size chart paper)
MAY	❖ Motion	<ul style="list-style-type: none">❖ Acceleration & Deceleration.❖ Uniform & non-uniform acceleration.❖ Distance- time graphs & velocity- time graphs.❖ Equations of motion by graphical method.❖ Numerical.	<ul style="list-style-type: none">❖ Summer vacation project: Draw uniform & non-uniform motion graph on 1/4th size chart paper.