

This course is designed to strengthen your Physics background and to gain advance knowledge of CXC Physics. It follows the curriculum set forth with the overall goal of preparing a student for the regional exams. The course will demand of each student a stable frame of mind; it will assume dedication and commitment. Whilst there is no grade at the end of this course, there is the rigor of “*practice practice practice*”. Each student must come in prepared to do work, and to take home work in the event some is assigned.

The general outline is set out below, listing the topics to be discussed and taught. It is divided into two sections. The first sections sets out to strengthen what should have been learnt in 3rd form (The first 6 hours of the course (15 hours in all) will set out to do this) and the other section sets out to introduce the student to the 4th form syllabus (the remaining 9 hours).

Topics:

Week 1	Week 2 & 3
Kinematics	Heat Capacity
Work, Energy, Power	Heat Transfer
Hydrostatics	Waves