

## Dalian Maple Leaf International School 2018-2019 Academic Year

(Physics 11)



## **Course Overview:**

Physics 11 is a great introduction to the upper-level sciences. In physics 11, students will become better at scientific inquiry through activities, labs, simulations, STEAM fair project-based learning, and more.

Students will also work on their engineering aspect of physics as they design their derby car project and other activities throughout the semester. Students will start exploring careers in physics, influential physics scientists, and social responsibility related to science. Students will improve at inquiry, scientific method and writing lab reports in this course as well as an overall understanding of physics and how it applies to the real world.

This course is required for students if they wish to take Physics 12.

Pre-Requisite: Completion of Science 10.

BIG IDEAS (主题)			
Kinematics	Forces	Energy and Circuits	Waves
An object's motion can be predicted, analyzed, and described.	Forces influence the motion of an object.	Energy is found in different forms, is conserved, and has the ability to do work	Mechanical waves transfer energy but not matter.

