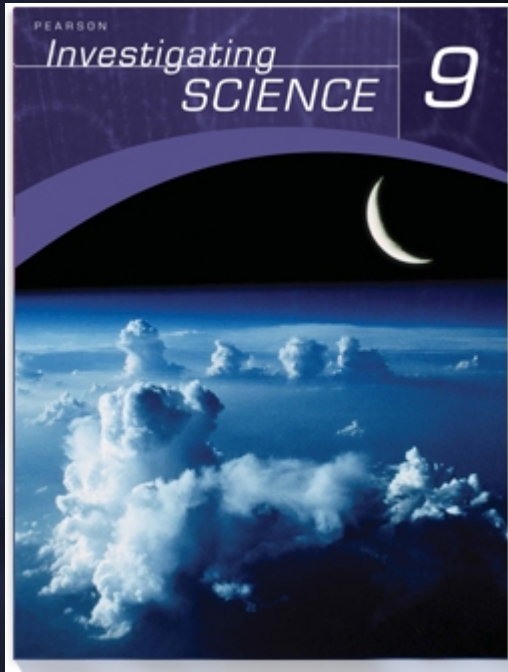


Grade 9 Science at ECI



Main textbook



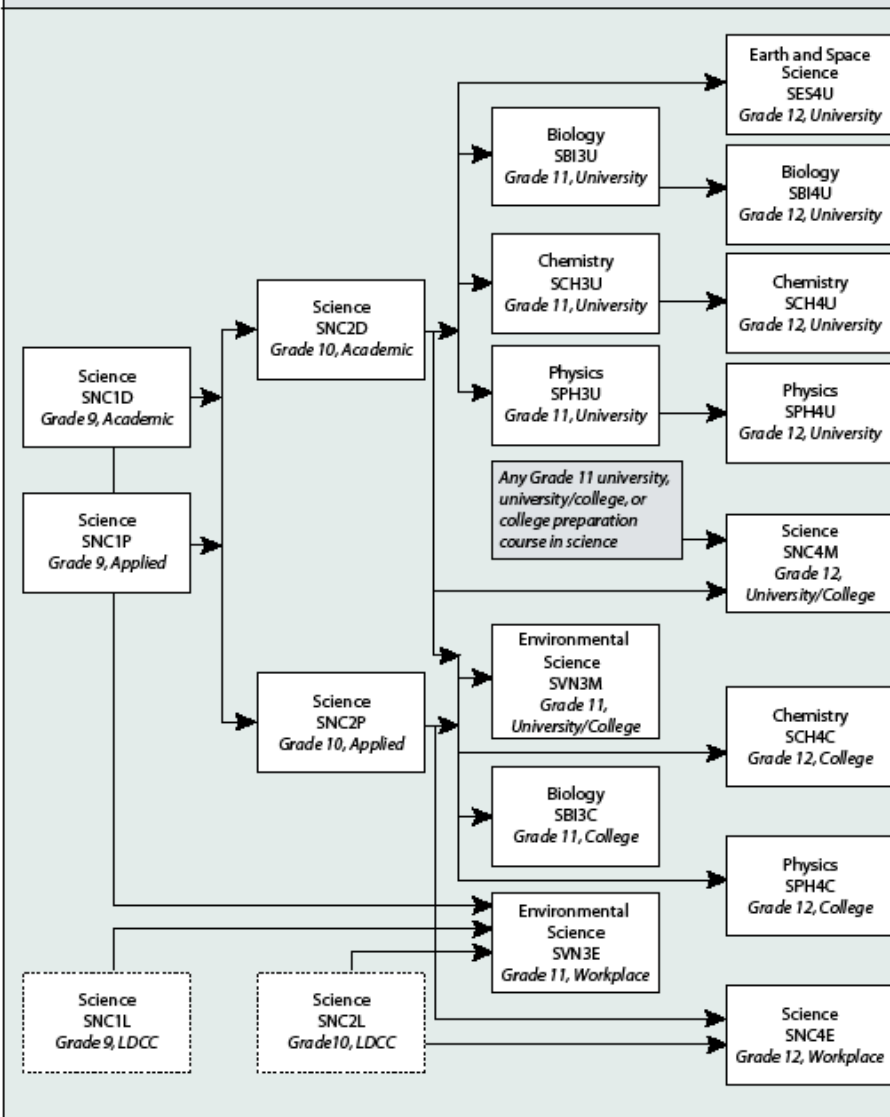
Supplementary
textbook

Grade 9 Science textbooks available

Science Pathways

Prerequisite Chart for Science, Grades 9–12

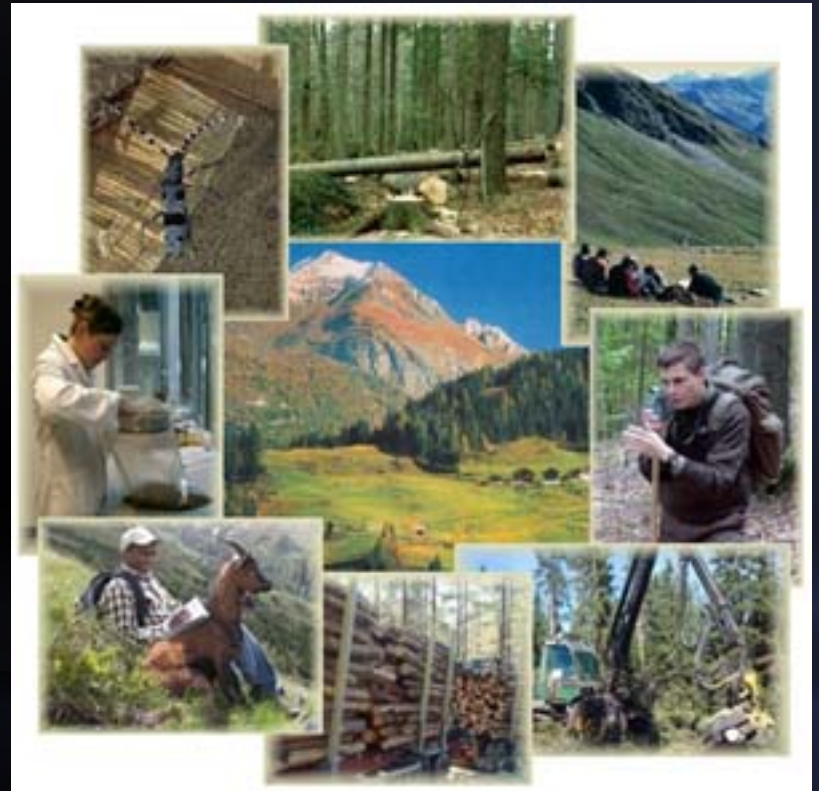
This chart maps out all the courses in the discipline and shows the links between courses and the prerequisites for them. It does not attempt to depict all possible movements from course to course.



Note: Dotted lines represent locally developed compulsory credit courses (LDCCs), which are not outlined in this curriculum document.

Sustainable ecosystems

Focus is on the impact of humans on the environment and ecosystems



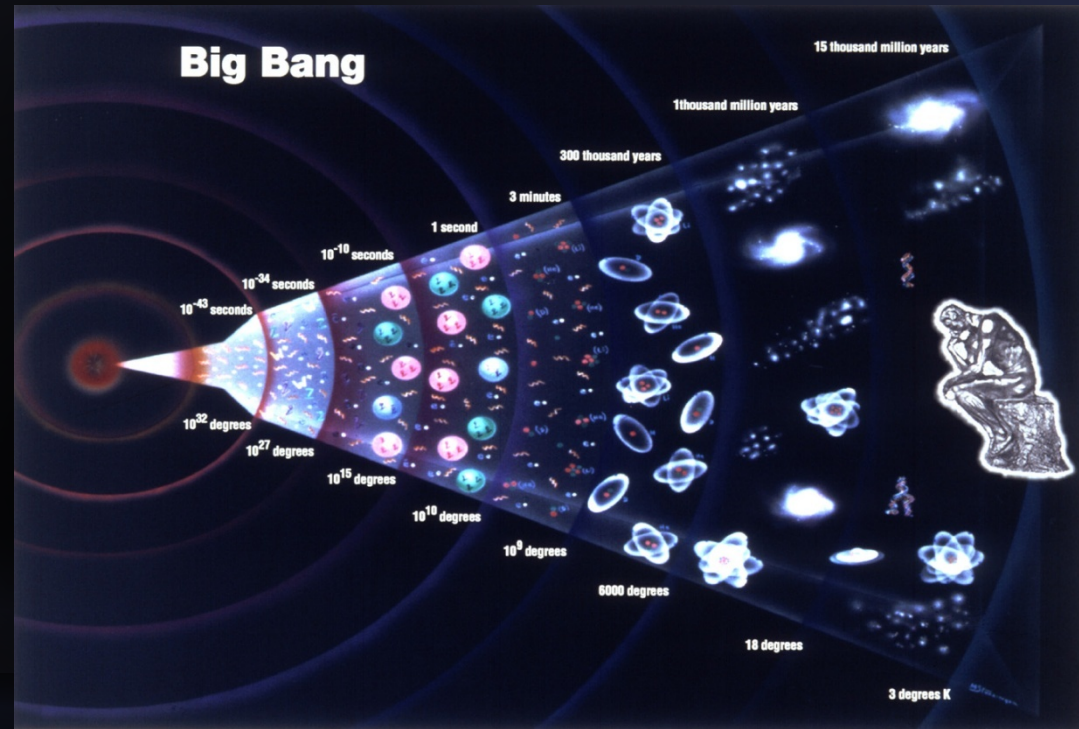
Focus is on :

- [illegible]

The study of the Universe

Focus is on :

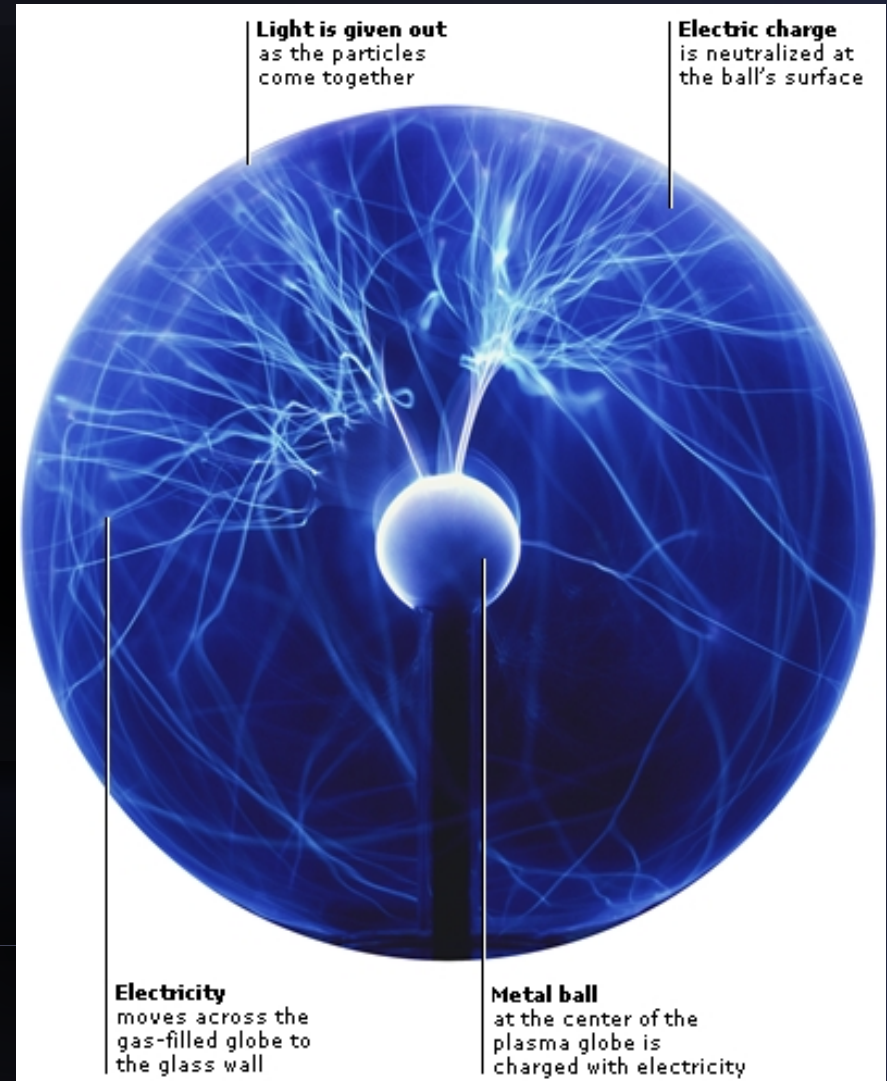
- Space exploration
- Investigation of characteristics of celestial objects visible from Earth
- Evolution of Universe



The characteristics of electricity

Focus is on :

- Electricity
- Production of electrical energy
- Investigation of static and current electricity



Activities and labs

Throughout the course, students have the opportunity to extend their learning through lab based activities.

Grade 10 Science at ECI



Academic



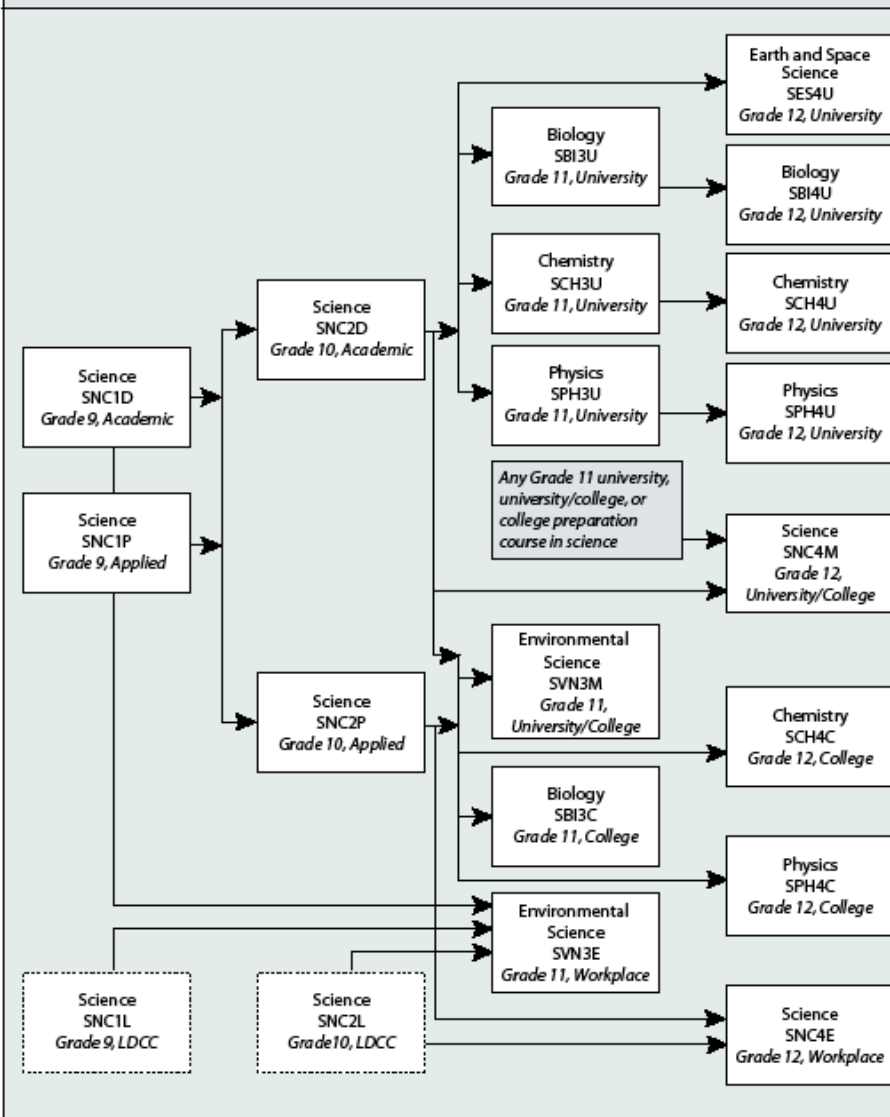
Applied

Grade 10 Academic and Applied

Science Pathways

Prerequisite Chart for Science, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the prerequisites for them. It does not attempt to depict all possible movements from course to course.



Note: Dotted lines represent locally developed compulsory credit courses (LDCCs), which are not outlined in this curriculum document.

What do we study?

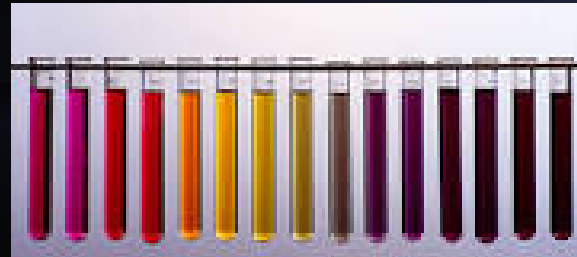
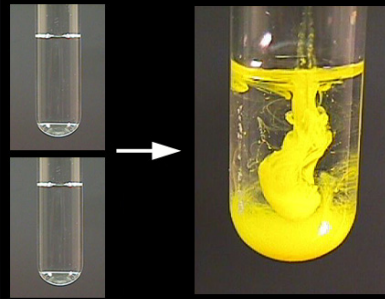
Grade 10

- * Chemical Reactions
 - * Light and Geometric Optics
 - * Tissues, Organs and Systems
 - * Climate Change
-

Chemical reactions

Focus is on:

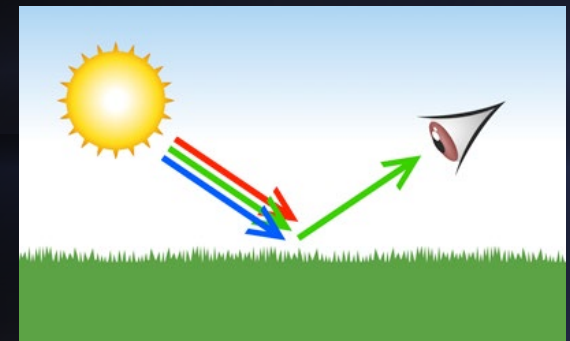
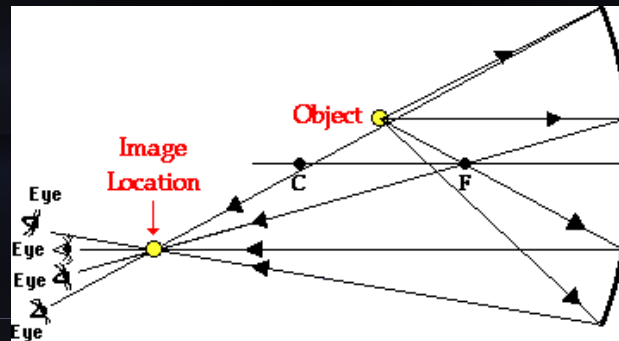
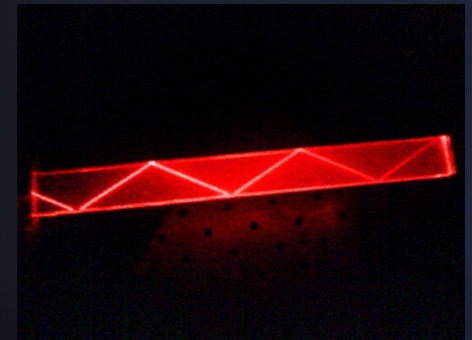
- * Properties of compounds
- * Chemical reactions
- * Acids and bases



Light and Geometric Optics

Focus is on:

- * The production and reflection of light
- * The refraction of light
- * Lenses and optical devices



Climate Change

Focus is on:

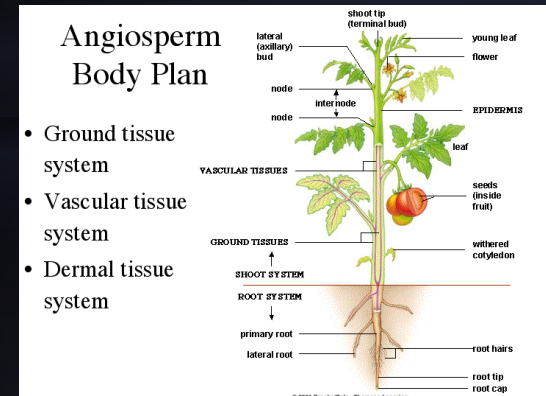
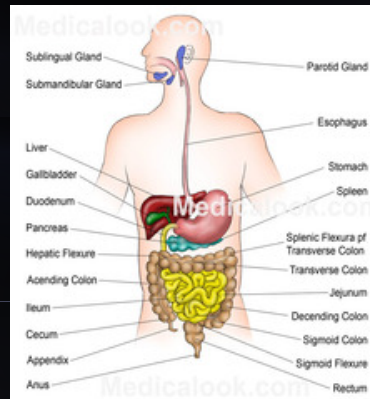
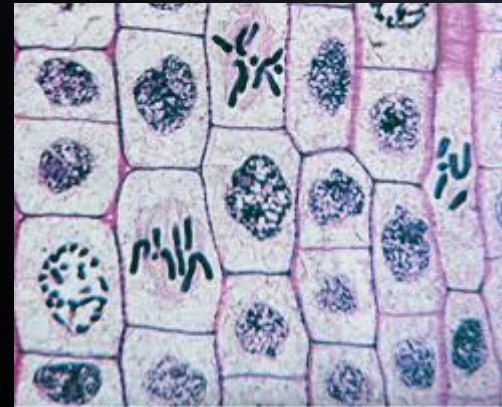
- * Earth's climate system and natural change
- * Earth's climate: Out of balance
- * Assessing and Responding to climate change



Tissues, Organs and Systems

Focus is on:

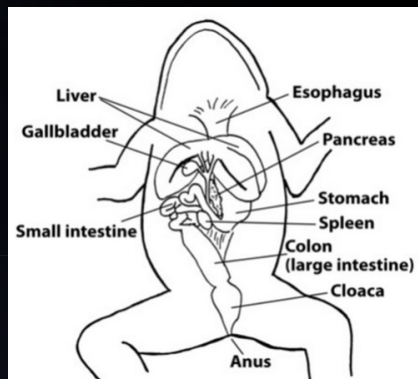
- * Cells, cell division and cell specialization
- * Animal systems (digestive, circulatory and respiratory)
- * Plant systems
- * Microscope work



Activities and labs

Throughout the course, students have the opportunity to extend their learning through lab based activities.

Grade 10 Dissection: Organ systems of a frog
(alternatives to dissections are available)

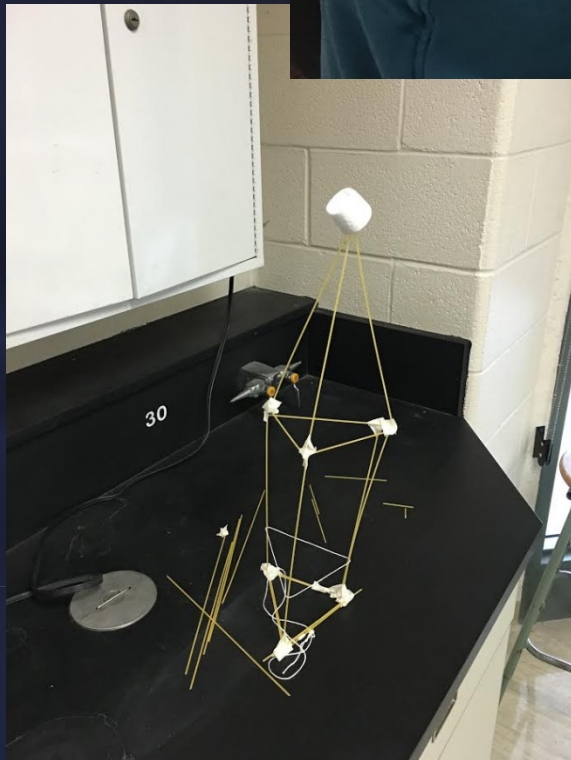
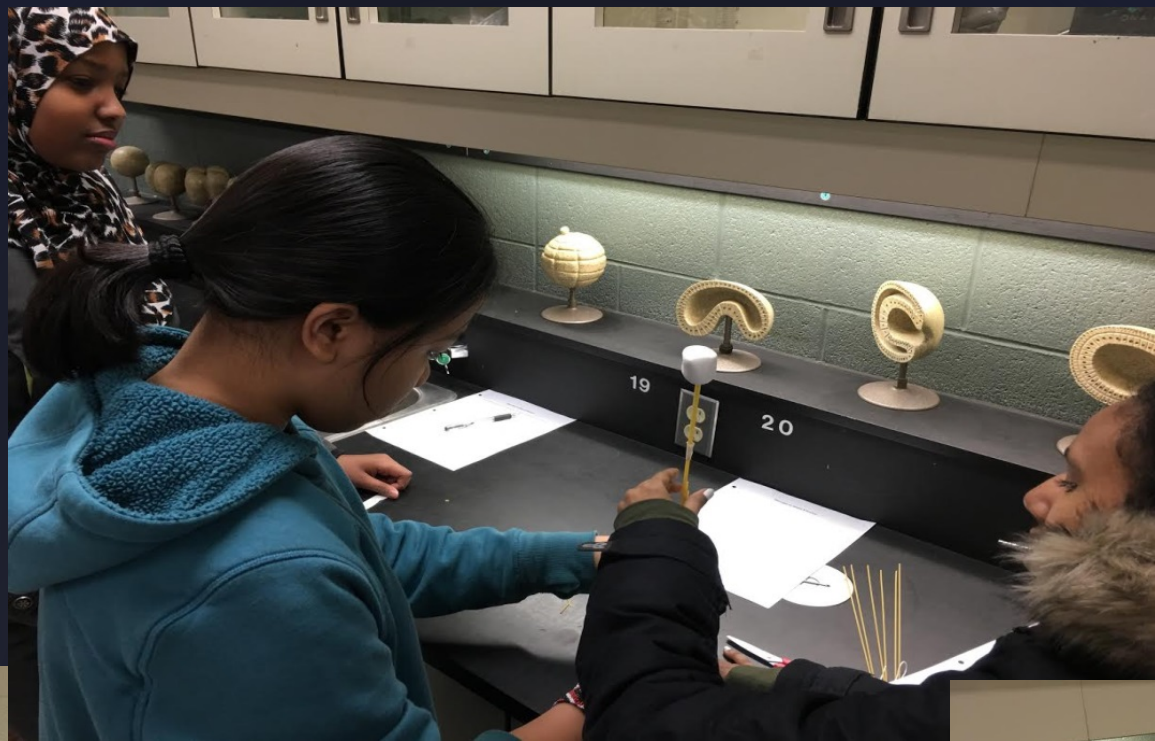


*Inquiry Skills

Marshmallow Challenge

Activity





* Marshmallow Challenge Activity

