



Thornlea Science Department

Our Mission...

Science is a part of our everyday life - from the discovery of cures for cancer to the exploration of space from the International Space Station and beyond. The Thornlea Science department promotes student engagement through innovation and creativity. Our Science program takes an inquiry based approach to learning where students develop their critical thinking and scientific inquiry skills through asking questions, conducting experiments, gathering and analyzing data to form conclusions.



"Tell me and I will forget. Show me and I may remember. Involve me and I will learn."
~Benjamin Franklin

Programs we offer ...



The Science department offers Grade 9 and 10 Science courses at the Academic, Applied and Pre-Advanced Placement (Pre-AP) levels. At the senior level, we offer both University and Advanced Placement (AP) Biology, Chemistry and Physics courses.

Science related extracurricular activities ...

In the Science department, we encourage students to get involved in a variety of exciting extracurricular activities which enrich their learning and allow them to have fun while they further explore diverse scientific fields. We offer the following clubs, teams, competitions and regional events:

Biology Club- Students play Biology related games and have an opportunity to explore the anatomy of various organisms through dissections.

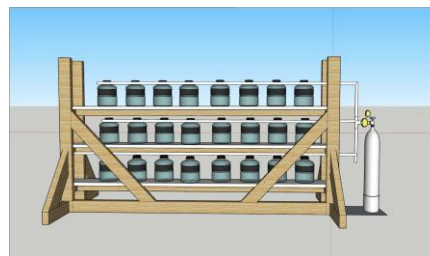
Chemistry Club- Students play Chemistry related games, observe cool demonstrations, as well as design and perform experiments.



Coding Club- Students learn to code by Python and work on different coding projects.

HOSA Canada Team- Students who wish to pursue careers in a medical related field explore their chosen field and compete against other students from across the GTA and Ontario in the annual HOSA Spring Leadership Conference (SLC).

STEM Team- The STEM team uses their Science, Technology, Engineering and Math skills to create innovative solutions to real world problems. In 2018, The Thornlea STEM team were Canadian Regional Finalists in the *Samsung - Solve for Tomorrow Contest* which led to Thornlea being awarded \$20,000 in Samsung technology.



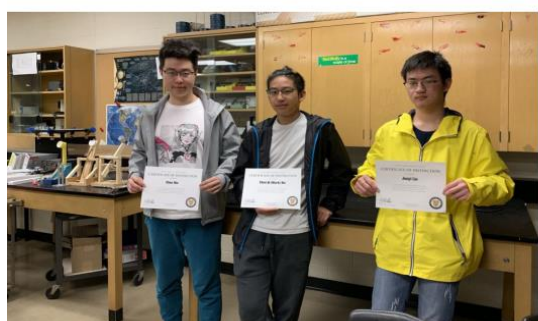
STEM Team - Biofuels Project



Annual Competitions and Regional Events ...

Avogadro Chemistry Competition
University of Toronto Biology Competition
Waterloo Chemistry Competition
Waterloo Sir Isaac Newton (SIN) Physics Competition
York Region Science Olympics
York Region Children's Water Festival

YRDSB Science Olympics 2019



Video Links

Check out these video links that show the exciting experiences and work created by Thornlea Science students!

<https://www.youtube.com/watch?v=a6xhyij6ph8&t=7s>

<https://www.youtube.com/watch?v=jCcAAaU5kts&feature=youtu.be>

<https://www.youtube.com/watch?v=Tn3cVfM-jqA&feature=youtu.be>

<https://www.youtube.com/watch?v=qzjj-vVqAhE>

<https://prezi.com/view/bt7CH6bcP0tnBox4Es5g/>

<https://youtu.be/2P4B-JMjB7Q>

<https://youtu.be/lrdzpjJbLJl>

