

Science Courses Offered at EDHS

Grade 9

- SNC 1D - Academic Science
- SNC 1P - Applied Science
- SNC 1L - Locally Developed Science

Grade 10

- SNC 2D - Academic Science
- SNC 2P - Applied Science

Grade 11

- SCH 3U - University Chemistry
- SBI 3U - University Biology
- SBI 3C - College Biology
- SPH 3U - University Physics
- SVN 3E - Environmental Science

Grade 12

- SCH 4U - University Chemistry
- SCH 4C - College Chemistry
- SBI 4U - University Biology
- SPH 4U - University Physics
- SPH 4C - College Physics
- SNC 4E - Workplace Science

For detailed course descriptions go to:
www.essexdistricthighschool.com
and look under the quick link tab.

Science Department Head

Mr. Neil Arner - Chemistry

Science Teaching Staff

Mrs. H. Dandiwal Chemistry

Mr. Neave Physics

<http://mrneave.weebly.com/>

@MrNeavemath

Mrs. P. Munday Science

<https://sites.google.com/site/mundayedhs/>

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Mr. D. Kraus Biology

Mr. B. Qawwas Biology

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@SXbiology

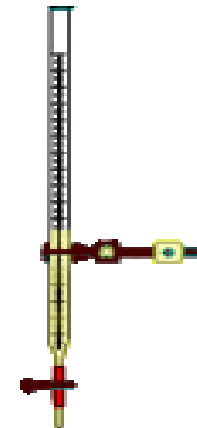
HOW CAN YOU HELP?

Parents are encouraged to work and consult with their child's grade 8 teacher and the high school guidance counselor to see which course and level is **"right"** for your child!



Essex DHS

Red Raider Science Department



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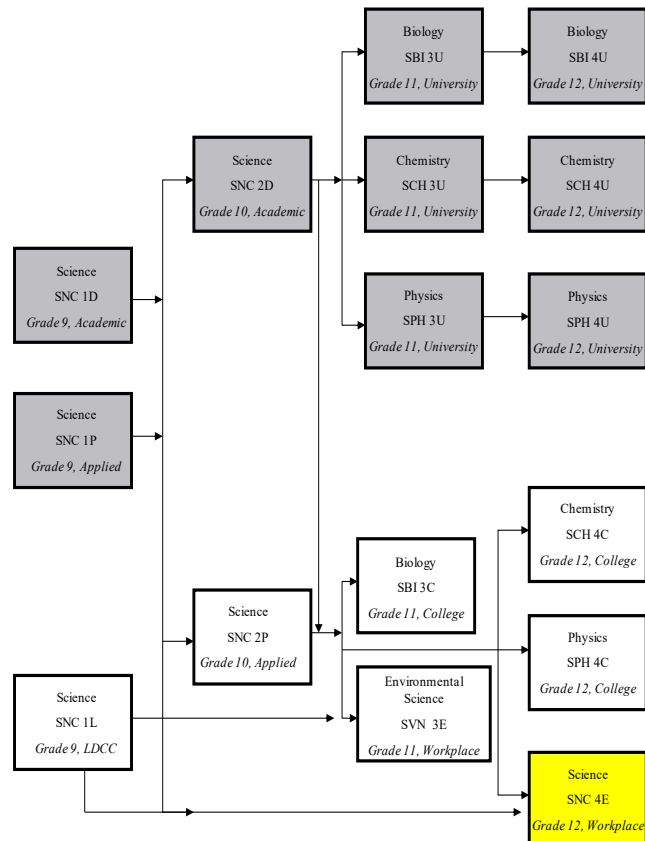
Academic or Applied - University or College

A Planning Pathway

If your child plans on having a career in health sciences, engineering, or any other profession requiring a university degree, they must follow the top half (shaded area) of the planning pathway below.

If your child plans on having a career in tool and die making, dental hygienist, automotive tech, electrical apprenticeship, or any other profession requiring a college degree, they can follow either the top half or the bottom half of the planning pathway below.

Prerequisite Chart for Science – Grades 9-12



Grade 9 and 10 Science - Strands of Study

Grade 9 Academic Science

Biology

Sustainable Ecosystems

Chemistry

Atoms, Elements, and Compounds

Earth and Space Science

The Study of the Universe

Physics

The Characteristics of Electricity

Grade 9 Applied Science

Biology

Sustainable Ecosystems and Human Activity

Chemistry

Exploring Matter

Earth and Space Science

Space Exploration

Physics

Electrical Applications

Grade 10 Academic Science

Biology

Tissues, Organs, and Systems of Living Things

Chemistry

Chemical Reactions

Earth and Space Science

Climate Change

Physics

Light and Geometric Optics

Grade 10 Applied Science

Biology

Tissues, Organs, and Systems

Chemistry

Chemical Reactions and Their Practical Applications

Earth and Space Science

Earth's Dynamic Climate

Physics

Light and Applications of Optics

EDHS Science Students Can Look

Forward to ...

In Grade 9

- Pyrotechnics and Flame Tests
- Planetariums
- Fighting Island

In Grade 10

- Frog Dissections
- Optical Illusions & Funny Mirrors
- Laser Tag

In Senior Biology

- Fetal Pig Dissections
- DNA Fingerprinting
- Glow in the Dark Bacteria
- The Zoo

In Senior Chemistry

- Acetylene Combustion
- Building Batteries
- Air/Water Pollution Tests

In Senior Physics

- Building Roller Coasters
- Catapult Launching
- Rocket Construction/Launch
- Cedar Point