

Course Syllabus for:

Advanced Science

Nay Ah Shing High School

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What is Advanced Science?

This Advanced Science course will cover most topics seen earlier in General Science, but will go into more detail and be much more math intensive. Students will be required to master the metric system and become proficient in using a calculator to solve problems. Students will be given many opportunities to work on science projects of their choice and do a science fair project if they wish. Chapters covered are: Metric System, Properties and Structure of Matter, Classifying Elements, Compounds, Acids & Bases, Motion(speed, acceleration, Newton's 3 Laws), Work and Machines, Heat, Sound, Light, Electricity, Magnetism. We will also be using the **website Phet.org** which has many interactive simulations students can practice with.

Textbook?

Our base textbook will be the Physical Science textbook, but through out the course we will use many books as sources. A student work book will also be provided.

What work will be required of students?

As part of their grade students will develop **technical writing** skills by writing Article Reviews of classroom articles or of articles that they bring in.

Work required of students:

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| • Tests, Quizzes | 60 % of grade |
| • Lesson Reviews and Workbook assignments | 20 % of grade |
| • Lab reports | 10 % of grade |
| • Misc handouts/packets | 10 % of grade |

Grading:

A= performance above grade level	A = 90-100%,
B= performance at or near grade level	B = 80-89 %
C= performance at grade level	C = 70-79%
D= performance below grade level	D = 60-69 %

Classroom expectations:

1. Use appropriate language at all times.
2. Keep hands, feet, and objects to yourself.
3. When given, follow directions the first time. No hats or electronic devices!
4. Many labs/demo's can be dangerous, so students **MUST** follow Directions and use safe behavior at all times. Those who engage in dangerous behavior will be asked to leave and will not be allowed to return!