

Grant Park High School Advanced Courses

The Grade 7 Advanced Science is the first of many challenging Advanced programs offered at Grant Park High School. At the Middle School level, we offer a wide spectrum of courses for the Advanced student. These courses include:

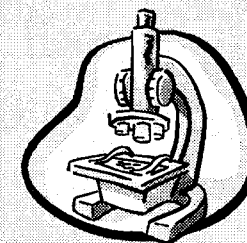
- ◆ Art (S1 - S4, AP)
- ◆ Biology (S3 & S4, AP)
- ◆ Calculus (S4, AP)
- ◆ English Language
- ◆ English Literature
- ◆ French (Grade 7 - S4, AP)
- ◆ History (S3 & S4, AP)
- ◆ Language Arts (Grade 7 - S2)
- ◆ Mathematics (Grade 7 - S3)
- ◆ Psychology (S4, AP)
- ◆ Sciences (Grade 7 - S1)
- ◆ Social Studies (7 - S2)



***Courses designated as "AP"
lead to the Advanced
Placement Exams for
university/college credit in
those subjects.***

Advanced Science Grade 7

**Grant Park
High School
Advanced
Program**



**450 Nathaniel Street
Winnipeg, Manitoba
R3M 3E3**

**Phone: 204-452-3112
Fax: 204-477-5633
Email: grantpark@wsd1.org**

Grant Park High School

Grant Park High School

Tel: 452-3112

Grade 7 Advanced Science Program

Grant Park's Grade 7 Advanced Science program is a challenging program designed for students who have demonstrated an interest in and aptitude for Science and Mathematics in earlier grades. Most students in the Advanced Program at Grant Park begin in Grade 7, and are able to continue by maintaining high levels of achievement.

Students in Grade 7 and 8 Advanced Science actually finish three years of Science in only two years. By the end of Grade 8, all Advanced Science students will have completed the Senior 1 curriculum. This sets the stage for the students to take any of the High School Advanced Level Science courses. This course is not merely accelerated, but it also offers many opportunities for enrichment activities. Science Fair projects and self-directed projects allow students to incorporate their own interests. The course will culminate with an overnight Science field trip that will allow students to apply techniques from class in the real world.



The Grade 7 Advanced Science Program begins with an introduction to Science and the Scientific Method. The themes that run throughout the course involve the affects of Science, technology, society and the environment on one another.

Grade 7 Advanced

Grade 7 Advanced Science lays the foundation for the Advanced Level Science covered in the following years. A large emphasis is placed on viewing Science as both a source of information and a problem solving model.

Topics include:

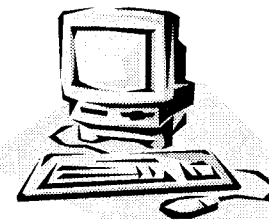
- Earth's Crust
- Interactions in Ecosystems
- Cells, Tissues, Organs and Systems
- Water Systems on Earth
- Space Exploration
- Reproduction and Heredity



Of the six units, two are from the Grade 7 Science curriculum, two come from Grade 8, and the last two are Senior 1 units.

No single text covers the variety of topics in this Science class. Students are presented with information from many different sources. Many different texts, readings, and Internet resources will be utilized.

A "hands-on" and "brains-on" approach to Science is definitely incorporated by all Science teachers. Students will be asked to analyze and problem solve using the knowledge they have gained in the Science classes. Questions, problems and labs will require students to use and develop their higher level thinking skills.



The use of computer technology in the Science class is also integrated into the course. Through the use of the computer as a tool, we can attempt to solve larger scale and more relevant problems. Again, a large emphasis is placed on problem solving and critical thinking skills.

Teacher - Mr. M. Kattenfeld

E-mail address - mkattenfeld@hotmail.com

Note: To continue in the Advanced program, students must maintain an average mark of 70% in Advanced classes.

Grant Park High School

Phone: 204-452-3112

Fax: 204-477-5633

Email: grantpark@wsd1.org

