

Science COURSE SYLLABUS

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Course Description

This course is a foundation for high school science courses. Topics include weather, life science, and forces & motion. Real world applications are presented within the course content and an inquiry-based approach is emphasized.

IB Middle Years Programme Objectives & Strands

First and Second Trimester	Third Trimester
<p>A. Knowing and Understanding</p> <ol style="list-style-type: none"> 1. Outline scientific knowledge 2. Apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations 3. Interpret information to make scientifically supported judgments 	<p>A. Knowing and Understanding</p> <ol style="list-style-type: none"> 1. Describe scientific knowledge 2. Apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations 3. Analyse information to make scientifically supported judgments
<p>B. Inquiring and designing</p> <ol style="list-style-type: none"> 1. Outline an appropriate problem or research question to be tested by a scientific investigation 2. Outline a testable prediction using scientific reasoning 3. Outline how to manipulate the variables, and outline how data will be collected 4. Design scientific investigations 	<p>B. Inquiring and designing</p> <ol style="list-style-type: none"> 1. Describe a problem or question to be tested by a scientific investigation 2. Outline a testable hypothesis and explain it using scientific reasoning 3. Describe how to manipulate the variables, and describe how data will be collected 4. Design scientific investigations.
<p>C. Processing and evaluating</p> <ol style="list-style-type: none"> 1. Present collected and transformed data 2. Interpret data and outline results using scientific reasoning 3. Discuss the validity of a prediction based on the outcome of the scientific investigation 4. Discuss the validity of the method 5. Describe improvements or extensions to the method. 	<p>C. Processing and evaluating</p> <ol style="list-style-type: none"> 1. Present collected and transformed data 2. Interpret data and describe results using scientific reasoning 3. Discuss the validity of a hypothesis based on the outcome of the scientific investigation 4. Discuss the validity of the method 5. Describe improvements or extensions to the method.
<p>D. Reflecting on the impacts of science</p> <ol style="list-style-type: none"> 1. Summarize the ways in which science is applied and used to address a specific problem or issue 2. Describe and summarize the various implications of the use of science and its application in solving a specific problem or issue 	<p>D. Reflecting on the impacts of science</p> <ol style="list-style-type: none"> 1. Describe the ways in which science is applied and used to address a specific problem or issue 2. Discuss and analyse the various implications of the use of science and its application in solving a specific problem or issue

- 3. Apply scientific language effectively
- 4. document the work of others and sources of information used

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Categories & Weights

Science is graded using total points. Point values are assigned based on time and knowledge required to complete the assignment. Smaller/less complex assignments and assessments are worth less than larger/more complex assignments and assessments.

Grading Scale

100% -90%	A
89% - 80%	B
79% - 70%	C
69%-60%	D
59% and below	F

Family Access/Student Access:

- Grades are updated in Skyward every Friday. Parents should check online grades regularly through Family Access. If you do not have your login credentials for Family Access please contact our Technology Department at 708-367-2930.
- Students will be trained to review their own grades and academic progress through Student Access.

Class Supplies Needed:

- Chromebook--Charged @ home daily.
- Writing Utensil
- Planner

Late/Absence Work Policy:

- Late work will be accepted, but you may not receive full credit.
- If you are absent, it is YOUR responsibility to ask your teachers on the day you return to school about the work you missed when you were absent. You will have the same number of days that you missed plus one day to complete your work as stated in the student handbook.
- If you know you are going to be absent beforehand, please let your teacher know for your make-up work before the absence.

All students are expected to adhere to the CMMS Academic Honesty Policy. Our Academic Honesty policy was sent home during the first week of school.

If you have questions about content and or grades, please contact your child's teacher.

*District 201U Mission Statement:
Empower each student to positively impact the world for a bright new future.*