
GATEWAY CENTER FOR EDUCATION

46 E. Steger Road, Steger, Illinois 60475
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708-756-5000
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SCIENCE PROGRAM

These courses use the Houghton Mifflin *DiscoveryWorks* Curriculum. It provides hands-on activities that stress the use of science process skills and provide real-world connections through content-rich resources. These integrated, process-oriented programs are designed to teach the way students learn best - by thinking, talking, writing, and exploring.

SCI 091 – KINDERGARTEN SCIENCE - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	0.1	0.4

SCI 092 – KINDERGARTEN SCIENCE - 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 091
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	0.4	0.9

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SCI 101 – 1ST GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 092
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	0.9	1.4
 - Science

SCI 102 – 1ST GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 101
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	1.4	1.9
 - Science

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SCI 201 – 2ND GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 102
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	1.9	2.4
 - Science

SCI 202 – 2ND GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 201
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	2.4	2.9
 - Science

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SCI 301 – 3RD GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 202
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	2.9	3.4
 - Science

SCI 302 – 3RD GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 301
 - Demonstrate mastery of the Early Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	3.4	3.9
 - Science

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SCI 401 – 4TH GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 302
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	3.9	4.4
 - Science

SCI 402 – 4TH GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 401
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	4.4	4.9
 - Science

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SCI 501 – 5TH GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 402
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	4.9	5.4
 - Science

SCI 502 – 5TH GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 501
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	5.4	5.9
 - Science

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SCI 601 – 6TH GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 502
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	5.9	6.4
 - Science

SCI 602 – 6TH GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 601
 - Demonstrate mastery of the Late Elementary skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	6.4	6.9
 - Science

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SCI 701 – 7TH GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 602
 - Demonstrate mastery of the Middle/Junior High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	6.9	7.4
 - Science

SCI 702 – 7TH GRADE SCIENCE 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 701
 - Demonstrate mastery of the Middle/Junior High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	7.4	7.9
 - Science

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SCI 801 – 8TH GRADE SCIENCE 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 702
 - Demonstrate mastery of the Middle/Junior High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	7.9	8.4
 - Science

SCI 802 – 8TH GRADE SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 801
 - Demonstrate mastery of the Middle/Junior High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	8.4	8.9
 - Science

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SCI 901 – GENERAL SCIENCE - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 802
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	8.9	9.4
 - Science

This course ignites students' interest through a captivating writing style, practical activities, and everyday examples of scientific principles. Comprehensive coverage of life, earth, and physical sciences provides a powerful overview of science.

SCI 902 – GENERAL SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 901
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	9.4	9.9
 - Science

This course ignites students' interest through a captivating writing style, practical activities, and everyday examples of scientific principles. Comprehensive coverage of life, earth, and physical sciences provides a powerful overview of science.

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SCI 905 – BIOLOGY – 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 902
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	9.9	10.4
 - Science

This course addresses major topics found in standard high school biology curricula.

SCI 906 - BIOLOGY – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1001
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.4	10.9
 - Science

This course addresses major topics found in standard high school biology curricula.

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SCI 1001 – ENVIRONMENTAL SCI - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 902
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	9.9	10.4

This course Engages students in the study of science and how it applies to real-world environmental issues.

SCI 1002 – ENVIRONMENTAL SCI – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1001
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.4	10.9

This course Engages students in the study of science and how it applies to real-world environmental issues.

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SCI 1005 – HEALTH - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 902
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	9.9	10.4
 - Science

This course instills in students the knowledge and skills they need to lead healthy, productive lives. It includes a straightforward, skills-based model for making decisions that is applied to real-life scenarios. The Life Skills component focuses on specific skills – such as goal-setting, communicating, and decision-making.

SCI 1006 – HEALTH – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1001
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.4	10.9
 - Science

This course instills in students the knowledge and skills they need to lead healthy, productive lives. It includes a straightforward, skills-based model for making decisions that is applied to real-life scenarios. The Life Skills component focuses on specific skills – such as goal-setting, communicating, and decision-making.

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SCI 1101 – MODERN PHYSICAL SCIENCE - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1002
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.9	11.4
 - Science

Hands-on activities present challenging opportunities to explore physical science while the text provides students with information about career opportunities, famous scientists, and current issues as they explore ways in which various fields of science interact.

SCI 1102 – MODERN PHYSICAL SCIENCE - 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1101
 - Demonstrate mastery of the Early High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	11.4	11.9
 - Science

Hands-on activities present challenging opportunities to explore physical science while the text provides students with information about career opportunities, famous scientists, and current issues as they explore ways in which various fields of science interact.

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SCI 1105 - CHEMISTRY - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1002
 - One of the following courses: MATH 901, MATH 902, MATH 905, MATH 906, MATH 908, MATH 909, MATH 1005, MATH 1006, MATH 1008
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.9	11.4

This course addresses major topics found in standard high school chemistry curricula.

SCI 1106 - CHEMISTRY - 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1101
 - One of the following courses: MATH 901, MATH 902, MATH 905, MATH 906, MATH 908, MATH 909, MATH 1005, MATH 1006, MATH 1008
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	11.4	11.9

This course addresses major topics found in standard high school chemistry curricula.

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SCI 1201 – EARTH SCIENCE - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1002
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	10.9	11.4

This course covers the four major branches of Earth Science – geology, oceanography, meteorology, and astronomy.

SCI 1202 – EARTH SCIENCE – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1101
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	11.4	11.9

This course covers the four major branches of Earth Science – geology, oceanography, meteorology, and astronomy.

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SCI 1205 - PHYSICS - 1ST SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1102
 - One of the following courses: MATH 901, MATH 902, MATH 905, MATH 906, MATH 908, MATH 909, MATH 1005, MATH 1006, MATH 1008
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	11.9	12.4

This course addresses major topics found in standard high school physics curricula.

SCI 1206 – PHYSICS – 2ND SEM

0.5 CREDIT

- Prerequisite: Pre-Diagnostic Assessment
- Course Requirements:
 - ELA 1201
 - One of the following courses: MATH 901, MATH 902, MATH 905, MATH 906, MATH 908, MATH 909, MATH 1005, MATH 1006, MATH 1008
 - Demonstrate mastery of the Late High School skills in the Science Learning Standards.
 - Complete the following assessment requirements:

	Prerequisite	Credit Requirement
○ Science	12.4	12.9

This course addresses major topics found in standard high school physics curricula.