



# COURSE SEQUENCES FOR MATH, SCIENCE AND SOCIAL SCIENCE

FRESHMEN STUDENTS ENTERING HIGH SCHOOL IN OR AFTER THE 2018-2019 SCHOOL YEAR

As part of the District’s Strategic Plan, we are aligning curriculum with the goal of ensuring that students graduate from RPS 205 having taken rigorous, grade-level coursework aligned to state standards. To meet this goal, the district is revising course sequences in math, science, and social science.

## MATH

### What is Integrated Math?

It is a switch from the traditional ‘silo’ approach of Algebra, Geometry, and Algebra 2 to a more integrated and connected approach to learning mathematics. Each course combines numbers sense, algebra, function, probability & statistics and geometry while increasing in rigor and complexity.

### Benefits for Students?

This will give students a coherent mathematical program that uncovers topics and establishes connections among them. This wide range of approaches and resources are far more likely to raise achievement than a disjointed set of units addressing different domains as a checklist.

GRADE 9 (choose one)	GRADE 10 (choose one)	GRADE 11 (choose one)	GRADE 12
<ul style="list-style-type: none"> <li>Integrated Math 1</li> <li>Integrated Math 2 Accelerated</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Math 2</li> <li>Integrated Math 3 Accelerated</li> </ul>	<ul style="list-style-type: none"> <li>Integrated Math 3</li> <li>Pre-Calculus</li> <li>AP Statistics</li> </ul>	Mathematics Electives that compliment a student’s pathway

### FOR MORE INFORMATION PLEASE CONTACT:

**Ben Epperson** - Dean of Secondary Math | 815.489.7243 | benjamin.epperson@rps205.com

# SCIENCE

## Why Update the Course Sequence?

To ensure that all students receive instruction in all of the Next Generation Science Standards.

## Benefits for Students?

This will allow students to build greater understanding of science concepts by allowing them to learn Chemistry and Physics through the lens of how they affect the major ideas of Earth Science, Astronomy, and Biology.

GRADE 9 (choose one)	GRADE 10 (choose one)	GRADE 11 (choose one)	GRADE 12
<ul style="list-style-type: none"> <li>• Biology</li> <li>• Honors Biology</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> <li>• Integrated Science 1</li> <li>• Honors Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Physics</li> <li>• Integrated Science 2</li> <li>• AP Physics 1</li> </ul>	Science Electives that compliment a student's pathway

## FOR MORE INFORMATION PLEASE CONTACT:

David R. Allen - Dean of Science | 815.489.7291 | david.r.allen@rps205.com

# SOCIAL SCIENCE

## Why Update the Course Sequence?

It was determined the best way to ensure all students received instruction in all standards, and were sufficiently prepared for upper level courses.

## Benefits for Students?

This sequence will clarify the expectations with regard to social science education, while simultaneously preparing students to be responsible and productive members of an increasingly global society.

GRADE 9 (choose one)	GRADE 10 (no required course)	GRADE 11 (choose one)	GRADE 12 (choose one from each column)	
<ul style="list-style-type: none"> <li>• Global Studies</li> <li>• AP Human Geography</li> <li>• AP World History</li> </ul>	Many electives to choose from	<ul style="list-style-type: none"> <li>• US History</li> <li>• AP US History</li> </ul>	<ul style="list-style-type: none"> <li>• Government</li> <li>• AP Government</li> </ul>	<ul style="list-style-type: none"> <li>• Economics</li> <li>• AP Microeconomics</li> <li>• AP Macroeconomics</li> </ul>

## FOR MORE INFORMATION PLEASE CONTACT:

Cory Nilsen - Dean of Social Science | 815.967.5138 | cory.nilsen@rps205.com



501 7th Street, Rockford, IL 61104  
815.966.3000 | rps205.com