

# Connections

Spaulding High School  
2021-2022 Course Syllabus Required Elements

**Course Title:** Connections

**Department:** Mathematics

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## Course Description:

In this course, students will build a deep understanding of mathematics from the ground up. They will explore Number Sense, Operations, Proportional Reasoning, Statistics and Geometry. Connections allows students to explore and build their skills in mathematics so that they have the foundational knowledge to succeed in Pre-Algebra

## Topics:

- Quarter 1:   Number Sense  
                  Integers  
                  Rational Numbers  
                  Operations
- Quarter 2:   Proportional Reasoning
- Quarter 3:   Statistics and Probability
- Quarter 4:   Geometry

## Materials:

- **Composition Book** (graph paper if you can find it)
- Organizer (folder system, binder,...etc)
- Pencils and erasers
- Loose-leaf Paper (graph preferably)
- Ruler and protractor
- Dry Erase markers (optional but recommended)

## Practice:

- Classwork is designed to help students practice and learn how to discuss and explore their mathematical ideas. The classroom will be a collaborative environment where students work together to solve problems and communicate through mathematical reasoning. This means that students will be working in small groups with their peers while also having whole class discussions.
- Students are expected to participate in class work, projects, extra practice, and check-ins.
- Practice will also help students become eligible for reassessment to meet their reassessment plan (see below).

## Assessment/Reassessment:

Students will have multiple opportunities to show proficiency on each standard throughout the course. Assessments will be given every three weeks.

Additional opportunities are available and may be arranged on a case by case basis outside of class time. In addition if an assessment is missed, the student must set up a time to complete the missed assessment.

**Safety protocols (these may change over the course of the year):**

- Specifically for in-classroom:
  - Wear your mask over your nose and mouth at all times
  - Wipe down your desk/chair/materials before leaving
  - Don't leave any possessions in classrooms.
  - To leave the room students must fill out a pass and sign out

**Expectations:**

- No cell phones (Responsible use). Being present and an active member of class means not being distracted by an electronic device. If your device is out during class You will be requested to place it in the designated cell phone area.
- If you are absent, it is your responsibility to make arrangements to make up for missed work/assessment.
- Come prepared to class with all materials: something to write with, **COMPOSITION BOOK** for notes, binder, and calculator.
- Be supportive and respectful of everyone in the class. It is everyone's responsibility to make the classroom a safe and welcoming place to share mathematical ideas.
- **You** are responsible for meeting **your** standards for the class.

**Course Standards (what you will be assessed on):** *Students will be able to use...*

1. Clear and Effective Communication
  - a. Use evidence and logic to appropriately communicate in an organized fashion.
  - b. Collaborate effectively and respectfully.
  
2. Informed and Integrative Thinking
  - a. Analyze and evaluate a problem to come up with a plan for execution by building on previous knowledge.
  
3. Creative and Practical Problem Solving
  - a. Generate multiple attempts and ideas in order to solve problems
  - b. Justify why one solution is better than others using logic and evidence

**Extra Math Support Times**

<b>Where</b>	<b>Mon</b>	<b>Tues</b>	<b>Wed</b>	<b>Thurs</b>	<b>Fri</b>
Room 200	7:05 - 7:35	7:05 - 7:35	7:05 - 7:35	7:05 - 7:35	7:05 - 7:35
Room 101	3:05 - 3:35	NO afternoon	3:05 - 3:35	3:05 - 3:35	3:05 - 3:35