

Inspirations & Ideas
Spaulding High School
2021-2022 Course Syllabus

Course Title: I & I

Department: Mathematics

Teacher Contact Information:

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This is a living document. Revision may occur as the course develops.

Course Description:

Inspirations and Ideas (I&I) is a quarter long course centered around collaborative problem-based learning. Class will be a combination of individual work- some stemming from class goals and some from individual goals- and group work. In I & I, students should see growth in their work with integers, equations, order of operations, and graphing. They will practice representing and presenting their work in ways that strengthen their capacity for mathematical discourse. The goal for the course is for every student to demonstrate growth in mathematics.

Topics/Areas of Study/Units of Study: See the attached Standards List.

Materials: All materials needed except a calculator will be initially provided in class.

Replacement will be the responsibility of the student.

- Calculator: Graphing calculator (TI-83) is recommended for high school, but a basic calculator is required.

Replacement cost(s): Replacement of the textbook is \$10.

Practice:

Students will be expected to work in small groups as well as individually. Some of each student's work will be determined by the student's own goals. These goals will be formed by the student in conjunction with conversations with the teacher. Most of the work will be set by the teacher and carried out by the students.

Students are expected to participate in class, work with their peers, and complete assignments and journaling work. Work will be a mix of hard copy, digital and projects. Regular Star 360 assessments will be part of the course and are required.

Assessment/Reassessment:

Students will be assessed in multiple ways (group tasks, portfolio work, conversations with the teacher, composition books, conversations with the teacher, written or online assessments). Students will be encouraged to reassess. They will need to develop a reassessment plan with the teacher.

Classroom Expectations:

- Cell phones are to remain in your bag and on silent during class.
- You may not use your phone (or watch) as a calculator.
- When you are absent, you make a plan with the teacher to make up work.
- Come prepared to work
 - If you are not prepared to work talk with the teacher
- Students are expected to work with peers and teachers respectfully and productively.
- Every student is expected to make mistakes.
 - Mistakes can reveal valuable information about thinking.
 - We use our mistakes to move forward and learn.
 - We don't make fun of ourselves or others when mistakes happen.
- Extra Supports like math tutorial and tide pool, are available during school hours.
- Students will be expected to work in groups and complete assignments as a team.
- Students will be expected to share their ideas and work publicly and participate in classroom discussions.
- Students are expected to document their completed work.
 - This may be in the textbook, a portfolio, or other documentation
 - All documentation plans should be discussed with your teacher.
 - in a composition book or portfolio..
- Supports are in place for extra help if needed
 - Advisory
 - Math Tutorial (before or after school)
 - PAS system

I & I Standards Checklist 21-22

For a standard to be Proficient, all indicators must be proficient.

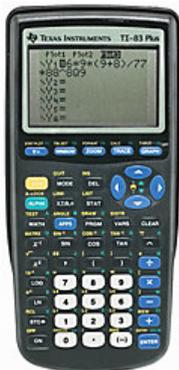
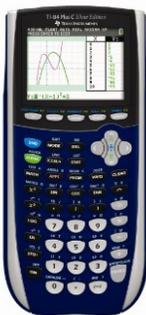
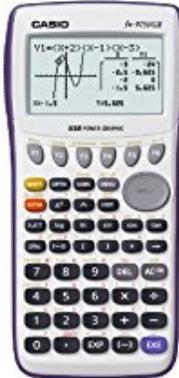
To earn Proficient in the course all standards must be proficient.

To earn Partially Proficient, a majority of the standards must be proficient.

Standards		Performance Indicators	<i>Mark</i>
<i>Explaining and Recognizing Mathematical Thinking</i>	1	Explain your own mathematical thinking	
	2	Reflect or recognize someone else's thinking	
	3	Collaborate effectively and respectfully	
<i>Modelling and Representation of Mathematical Thinking</i>	1	Model mathematical reasoning	
	2	Interpret someone else's representation of mathematical thinking	
<i>Skills Growth: Individual Topics</i>	1	In collaboration with your teacher, create a plan for skills that you will work to improve	
	2	Carry out your plan and show your work and improvement	
<i>Skills Growth: Class Topics</i>	1	Complete work set to grow these skills	
	2	Show your work and improvement	

Choosing Your Calculator

These calculators will be used all 4 years of high school (and college), so choosing the right tool and keeping it in good condition is important.

<p>Good Choices:</p>	 <p>TI-83 Plus The basic workhorse for a reason. Getting the job done for 20 years. \$75-\$100</p>	 <p>TI-84 Plus Not much different from the 83 Plus. A little faster, but essentially the same. \$70-\$110</p>	 <p>TI-84 Plus CE Rechargeable batteries Different colors on graphs Better picture quality Super thin <u>Requires charging by cable!</u> \$99-\$150</p>
<p>Poor Choices:</p>	<p>Beware: students would have to teach themselves to use it. Otherwise, a good calculator.</p>  <p>TI-Nspire CX Rechargeable batteries Picture quality colors <u>Requires charging by cable!</u> \$125-\$150</p>	<p>Beware: This one has had some charger/battery issues in the past couple years, so I don't recommend it...plus it's more expensive...</p>  <p>TI-84 Plus C Silver Edition \$112</p>	<p>Beware: Others You can purchase Casios but beware that students would have to teach themselves to use it.</p> 

If purchasing a calculator presents a financial hardship, there will be scholarship forms available in August. *Please be sure you have free lunch forms filled out prior to applying for a scholarship calculator.*

Scholarship Calculator Request Form

The Spaulding math department can provide some graphing calculators for students who qualify for free or reduced lunch (this also means the lunch forms must be filled out and returned to school). These funds are limited, and will be distributed on a first come - first serve basis.

Please return this form to Assistant Math Department Chair: Ms. Coleman

Student Name: _____

Teacher Name: _____

Date Requested: _____

I hereby authorize Spaulding High School to release the Free & Reduced Lunch status for my child to Elisha Coleman, the assistant math department chair, for the sole purpose of determining eligibility in receiving a scholarship calculator.

Parent Signature: _____

For Office Use Only

Math Department Chair: _____

Student has been determined eligible _____

Student has been determined NOT eligible _____

For Math Department Use

Calculator Number Assigned: _____

Date Assigned: _____