Integrated Mathematics I

Course Syllabus

Instructor Information
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Course Description

2 semesters (Fall, Spring) **1 credit per semester** **Grade 8-9**

Students will build their foundational knowledge of Algebra and Geometry through practice and applications of algebraic and geometric concepts. Algebra components studied include, but are not limited to, expressions, equations, and functions; systems of linear equations and inequalities; properties of exponents and exponential functions; radical and rational equations and functions; and statistics and probability. Geometry components studied include, but are not limited to, parallel and perpendicular lines; similarity and congruency of geometric figures. IXL will be used in correlation with the textbook, with a required amount of time spent each week on core concepts.

Curricular Information

Required Textbook:
Integrated Math 1, McGraw-Hill Education, 2012, ISBN: 978-0-07-663858-1

Online Resources:
IXL (www.ixl.com/signin/northidahostem)

Supplies:
- #2 pencils or mechanical pencils + lead
- 2-3 spiral notebooks for taking notes in this class
- 1 package of college-ruled lined paper
- 1 package of graph paper
- 1 book cover or brown paper grocery bag
- TI-30 (or equivalent) calculator
- Erasers
- Black pens

Daily Time and Effort Expectations: An hour of homework per day is expected, in order to earn high school credit. Use the Course Schedule below to budget your time and talk to your teacher about time management. **More than six days of absenteeism per semester will result in loss of credit and may negatively impact the path to graduation.**

Notebook Checks: For every lesson, students will be expected to write an entry, notes, and closure, and assignment in their math notebooks. At the beginning of their math notebooks, students will also be expected to write a table of contents with the lesson numbers, lesson titles, and notebook page numbers. The teacher will check assignments for completion in person, at the beginning of class each day.

Google Classroom: Daily homework assignments, including page numbers and problem numbers, will be posted on Google Classroom each school day. Assignments are not required to be uploaded to Google Classroom for this class.

Course Schedule

Topics	Major Assignments	Timeframe
Semester 1:		
Chapter 1 (Expressions, Equations, and Functions)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 2 (Linear Equations)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 3 (Linear Functions)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 4 (Equations of Linear Functions)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 5 (Linear Inequalities)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 6 (Systems of Linear Equations and Inequalities)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Semester 1 - Final Exam Review	*Semester 1 - Final Exam*	*1 week*
Semester 2:		
Chapter 7 (Exponents and Exponential Functions)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Factoring Unit (Solving Quadratic Equations)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	2 weeks

Chapter 8 (Radical Functions, Rational Functions, and Equations)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 9 (Statistics and Probability)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	1 week
Chapter 10 (Tools of Geometry)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 11 (Parallel and Perpendicular Lines)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Chapter 12 (Congruent Triangles)	*Daily Homework Assignments* *Chapter Quiz* *Chapter Test*	3 weeks
Semester 2 - Final Exam Review	*Semester 2 - Final Exam*	*1 week*

Course Evaluation:

The percentage breakdown for semester grade calculation will be as follows:

Skills Practice 35%
Assessments 50%
Semester Exam 15%

Formative (Skills Practice) will include daily textbook, IXL assignments, and notebook checks. Summative (Assessments) will include chapter quizzes, chapter tests, and projects. Semester 1 Final Exam will cover Chapter 1 through Chapter 6, and Semester 2 Final Exam will cover Chapter 7 through Chapter 12.

Grading Scale

Grade	***Percentage***	***Proficiency descriptors***
A+	**97-100**	*Assignments are fully completed in a timely manner and of excellent quality; the student shows superior level of initiative and seeks to go beyond the minimum requirements. Errors are rare or nonexistent.*
A	**93-96**	
A-	**90-92**	
B+	**87-89**	*Assignments are fully completed in a timely manner and typically of above average quality; the student is conscientious and meets all requirements with few errors.*
B	**83-86**	
B-	**80-82**	
C+	**77-79**	*Assignments are generally complete (met minimum requirements) and of good quality; assigned tasks have occasional errors.*
C	**73-76**	

C-	**70-72**	
D+	**67-69**	*Assignments are generally incomplete or of poor quality; the student makes frequent errors in work.*
D	**63-66**	
D-	**60-62**	
F	**0-59**	*Work is poorly done, if at all. Overall performance is inadequate to pass the course.* *Note: No name = No credit* *Illegible = No credit* *Late = No credit (*will STILL complete and submit the assignment)*

Additional Information from the Instructor: 8th grade students in Integrated Mathematics I are encouraged to compete in the Math Counts Competition, held at North Idaho College at the beginning of February.

Classroom Policies and Expectations: Students are expected to adhere to the classroom rules set by the teacher in their assigned classroom, and in accordance with expectations found in the Student Handbook and Technology Policy.

Academic Honesty Code of Conduct:
"On my honor, I will maintain the highest possible standards of honesty, integrity, and personal responsibility. This means I will not lie, cheat, or steal, and as a member of this academic community, I am committed to creating an environment of respect and mutual trust."

Violations of this code include, but are not limited to:

- Copying another person's work or allowing your work to be copied (plagiarism)
- Allowing someone other than yourself to complete work in your name
- Using unauthorized assistance on an assessment or assignment
- Falsifying or manipulating data
- Submitting the same work for multiple courses without instructor's permission
- Giving answers to other students
- Lying to an instructor
- Tampering with or destroying the work of another student
- Using responses found on the internet, or created with the use of technological means (ex artificial intelligence, etc)

Any outside sources used on an assignment should be referenced and cited appropriately.

Consequences for Academic Dishonesty: At the instructor's discretion, the student **will** lose partial or full credit for the assignment. The student will be on notice that the incident will be recorded in the gradebook and his/her parent(s) will be informed. Future academic dishonesty incidents will result in a grade of zero for the assignment, a meeting with the principal, and possible loss of credit, suspension, or expulsion. Direct copying is plagiarism. Only original work may be submitted for this (and any other)

academic course. If you have any questions about avoiding plagiarism, please visit the **OWL at Purdue's "Avoiding Plagiarism" web page.**