



Workplace Math 10

Mr. Herlaar

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Welcome to Workplace Math 10. In this course students will analyze, discuss, and demonstrate how math relates directly to concrete scenarios in many aspects of life. The math discussed in this course is the backbone of relevant day-to-day mathematic ability. Topics that we discuss will include: Surface Area and Volume, Proportions and Conversions, Trigonometry and Angles, Graphing Relationships, and Understanding Money. In order to be successful students will above all else need to be in class, engage in their learning, and be open-minded to concepts they may not understand.

OBJECTIVES

- To build on **fundamental concepts** and increase an **understanding** math theories
- To focus **on understanding** in mathematical processes both concrete and abstract
- To foster an **appreciation and desire** of learning and understanding
- To help you **build confidence** in mathematical understanding

TEXTBOOK

- Mr. Herlaar will provide students with Workbooks, and extra material

Calculators are required for this course

****Cell phones should not be used as calculators****

EXTRA SUPPORT

- All notes and workbook questions will be provided at www.mrherlaar.weebly.com
- I am **available by appointment** before and after school and lunch.
- There is math support at lunch Mon-Thurs in room 207 and Peer Tutoring Tuesdays in room 107

EVALUATION

- ❖ This semester the class will be evaluated using Standards Based Grades
- ❖ This will involve a lot of self-reflection and honest critique of their learning
- ❖ At the end of each reporting period Standards Marks will be converted into a percentage
- ❖ This will involve the collection and analyses of quizzes and summative section test
- ❖ See Rubric on the back of the page, it will be included on every Workbook pack
- ❖ There will also be a reflection on Core Competencies after each section to identify progress

Standards Based Grades Marking Rubric

Category	Sub-Category	Description	
Expert	6	Work meets the objectives ; is clear, error free , and demonstrates a mastery of the Learning Targets	“You could teach this!”
	5	Work meets the objectives ; is clear, with some minor errors , and demonstrates a clear understanding of the Learning Targets	“Almost Perfect, one little error.”
Apprentice	4	Work almost meets the objectives ; contains errors , and demonstrates sound reasoning and thought concerning the Learning Targets	“Good understanding with a few errors.”
	3	Work is in progress ; contains errors , and demonstrates a partial understanding of the Learning Targets	“You are on the right track, but key concepts are missing.”
Novice	2	Work does not meet the objectives ; frequent errors, and minimal understanding of the Learning Targets is demonstrated	“You have achieved the bare minimum to meet the learning outcome.”
	1	Work does not meet the objectives ; there is no or minimal effort , and no understanding of the Learning Targets	“Learning Outcomes not met at this time.”

Converting Standards Based Grades to Percentages for Final Reporting

Category	Sub-Category	% to determine final grade		
Expert	6	95	97	100
	5	86	90	94
Apprentice	4	73	80	85
	3	60	66	72
Novice	2	50	56	59
	1	30	40	45

*Discussion to take place to determine any potential final grade in-between set parameters

Required Supplies

• Binder	• Pencils
• Pens	• Ruler
• Paper	• Calculator (Basic Scientific, Sharp EL-510)
• Eraser	• Highlighter