8th Math

Course Syllabus

2016-2017

Instructor: Hayley Miller

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Goal: In this course you will develop an understanding of important mathematical ideas by solving problems and reflecting on the mathematics involved. The main goals throughout the course are as follows:

o Make sense of problems and persevere in solving them

o Reason abstractly and quantitatively

o Construct viable arguments and critique the reasoning of others

o Model with Mathematics

o Use appropriate tools strategically

o Attend to precision

o Look for and make use of structure

o Look for and express regularity in repeated reasoning

Grading: I will be using the grading scale found in the Sully Buttes 2015-2016 Handbook.

|  |  |
| --- | --- |
| A- 100%-94% | Excellent |
| B- 93%-87% | Above Average |
| C- 86%-79% | Average |
| D- 78%-70% | Below Average |
| E- 69% and Below | Failing |
| I- | Incomplete |

Latework/ICU

Late work- If it is from an absence will be handled as state in Sully Buttes 2015-2016 Handbook.

Other late work or incomplete assignments:

All late daily work will receive 70% credit.

Assessment retake scores will be averaged.

ICU Policy: Missing/failing assignments will be put on the ICU list following 24 hours after the due date.

Ex. 2nd period Monday’s assignment must be handed in by 2nd period Tuesday, 3rd period Tuesday the assignment will be put on the ICU list.

Class Rules:

1. Be on time, on task, and prepared to learn EVERYDAY. #nofreedays
2. Respect the teacher, the classroom, other students, and yourself. #benice
3. Be responsible for your own learning. #stopcheating #workhard
4. Clean up after yourself and your peers. #notyourmaid
5. Keep all personal electronics PUT AWAY. Yes, I know the difference between on Ipod and Your Iphone!!! #onlywithpermission #notexting

#notweeting #nofacebook #nopictures

Course Overview:

* Thinking with Mathematical Models

o Linear and Inverse Variations

* Looking for Pythagoras

o The Pythagorean Theorem

* Growing, growing, growing

o Exponential Functions

* Butterflies, Pinwheals, and Wallpaper

o Symmetry and Transformations

* Say it with Symbols

o Making Sense of Symbols

* It’s in the System

o Systems of Linear Equations and Inequalities