iModule

Teachers' Name: __Garces/ Bland_____

Period: __6_____

iModule: Operations and Rational numbers

Focus: 7th Grade Topic: Operation and Rational numbers

MA.7.A.3.1- Use and justify the for adding, subtracting, multiplying, dividing and finding the absolute value of integers

MA.7.A.3.2 – Add, subtract, multiply and divide integers, fractions and terminating decimals, and perform exponential operations with rational bases and whole number exponents including solving problems in everyday contexts.

MA.7.A5.1.- Express rational numbers as terminating or repeating decimals.

Essential Question:

What are rational numbers?

What rules can we use to add, subtract, multiply and divide integers?

Start Date: Monday August 26, 2013

Deadline: Monday, September 26, 2013

Activities to be completed:

- Mathia Software Module 1 Course 2
- Exit Slip (Found on Edmodo)

- Problem Solving (Small Group Guided Instruction with Teacher): Students must complete assigned sections text book working in small groups with teacher assistance.
- Student Textbook (Carnegie)
  - 4.2 Adding Integers
  - 4.4 Subtracting integers (Problem 1 and 3)
  - 5.1 – Multplying and dividing integers
  - 5.2 – Multiplication and division with rational numbers Using Tables and Solve Problems
  - 5.5 Exact decimal representations
  - 6.1 Evaluating algebraic expressions
- Pre-test (Mathia Software)
- Post-test (Mathia Software)
- Project Based Learning (Hot Summer, Cold Winter)
  - Watch Prezi Presention on Edmodo and complete 1-8 in Groups of 4
    http://prezi.com/xi-xrd8xrqay/untitled-prezi/

  - For number 9 on PBL, you must solve each component of the problem and create a presentation with your group. The problem may be presented in any way you choose (Video, Powerpoint, poster….etc). Projects will be graded using the rubric from the video Prezi. Be creative!!

  Home Learning:
  Khan academy videos : Adding and subtracting integers (complete video assignment)
  https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/v/adding-integers-with-different-signs

Khan academy: Introduction to exponents – (complete video assignment, you may you)
https://www.khanacademy.org/math/arithmetic/exponents-radicals/world-of-exponents/v/level-1-exponents

Khan academy: Rational numbers – Converting fractions to decimals (1st video complete video assignment, you may you calculator)
https://www.khanacademy.org/math/arithmetic/decimals/decimal_to_fraction/v/converting-fractions-to-decimals--ex1

Assessment: Project Based Learning (Hot Summer, Cold WInte)

Textbook

Module 1- Carnegie online

Follow Up: **Blog Reflection: Must be 5-6 sentences**