

Northwood Middle School

Weekly Planner

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For the week of: March 24-28, 2025		Email: asbrown@greenville.k12.sc.us marburton@greenville.k12.sc.us gawood@greenville.k12.sc.us		
Periods:	4th and 7th (Brown) 4th, 5th, and 6th (Burton) 5th, 6th, and 7th (Wood)			
Course:	Math 8	Teacher Voice Mail	355-7030 (Brown) 355-7052 (Burton) 355-7022 (Wood)	
Unit Title/Topic	Module 4: Expanding Number Systems Topic 1: The Real Number System	Lesson plans may be modified throughout the week due to the academic needs of the students.		
Standards:	8.NS.1 Explore the real number system and its appropriate usage in real-world situations. a. Recognize the differences between rational and irrational numbers. b. Understand that all real numbers have a decimal expansion. c. Model the hierarchy of the real number system, including natural, whole, integer, rational, and irrational numbers. 8.NS.2 Estimate and compare the value of irrational numbers by plotting them on a number line. 8.NS.3 Extend prior knowledge to translate among multiple representations of rational numbers (fractions, decimal numbers, percentages). Include the conversion of repeating decimal numbers to fractions. 8.EE.2 Investigate concepts of square and cube roots. a. Find the exact and approximate solutions to equations of the form $x^2 = p$ and $x^3 = p$ where p is a positive rational number. b. Evaluate square roots of perfect squares. c. Evaluate cube roots of perfect cubes. d. Recognize that square roots of non-perfect squares are irrational.			
Day	Learning Targets	Class Activities	Assessments	Homework
Monday 3/24	I can estimate and compare the value of rational and irrational numbers by converting the numbers to similar forms.	1. Bell Ringer 2. Review classifying and ordering rational numbers	Teacher Observation	MATHia 15 mins
Tuesday 3/25	I can prepare for tomorrow's test by completing a test review on the real number system.	1. Bell Ringer 2. Test Review	Teacher observation	MATHia 15 mins
Wednesday 3/26	I can apply my knowledge of the real number system on my Mastery Connect test.	M4 T1 Test - The Real Number System	Teacher Observation	MATHia 15 mins

Thursday 3/27	I can use models to demonstrate the Pythagorean Theorem and prove its converse.	1. Bell Ringer 2. Notes on Pythagorean Theorem	Teacher Observation	MATHia 15 mins
Friday 3/28	I can use the Pythagorean Theorem to find the missing side lengths of a right triangle.	1. Bell Ringer 2. Practice solving problems with Pythagorean Theorem	Teacher Observation Asynchronous assignment due	Have a great weekend!