# Lesson Plans for Week of: 08:20:19

| Teacher: | Bradford | Class: 8th Grade | BA Math |
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| *Lesson plans are subject to change. | | | |

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| **Enduring Understanding:** | • Mathematicians understand how mathematical ideas interconnect and build on one another to produce a coherent whole.<br>• Rational numbers can be represented and used in a variety of forms depending on a given situation. |
| **Essential Question:** | What are some of the most used functions on the graphing calculator. |

| Monday: | **Content Objective(s):** | **Learn the graphing calculator** |
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| | **Language Objective(s):** | Use prior knowledge and experiences to understand meanings in English. [1 A]<br>Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction and interactions. [2 C] |
| | **Content/Language Activities:** | Issue composition book/ Assign Calculators<br>Talk about Expectations for Warm-ups/ Discuss Class Rewards<br><br>Notes: Graphing Calculator |
| | **Assignment:** | Homework: none |

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| **Enduring Understanding:** | • Mathematicians understand how mathematical ideas interconnect and build on one another to produce a coherent whole. |
| **Essential Question:** | What are some of the most used functions on the graphing calculator. |

| Tuesday: | **Content Objective(s):** | **Learn the graphing calculator** |
|---|---|---|
| | **Language Objective(s):** | Use prior knowledge and experiences to understand meanings in English. [1 A]<br>Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction and interactions. [2 C] |
| | **Content/Language Activities:** | Warm-up<br><br>Complete Calculator Notes<br>Students will be given a Calculator Quiz to see how much |

| | | they remember about the graphing calculator. (No grade will be taken for this Quiz. It is just to let the teachers know what needs to be reviewed) |
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| | **Assignment:** | Homework: none |

| **Enduring Understanding:** | | • Mathematicians understand how mathematical ideas interconnect and build on one another to produce a coherent whole.<br>• Rational numbers can be represented and used in a variety of forms depending on a given situation. |
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| **Essential Question:** | | How do numbers relate to one another? |
| Wednesday: | **Content Objective(s):** | **8.2A** extend previous knowledge of sets and subsets using a visual representation to describe relationships between sets of real numbers; |
| | **Language Objective(s):** | Use prior knowledge and experiences to understand meanings in English. [1 A]<br>Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction and interactions. [2 C] |
| | **Content/Language Activities:** | Periods 1,5 Warm-up<br><br>Review of calculator steps missed on the Calculator Quiz the day before.<br>Notes: The Real Number System<br>Brace Thinking Map/Analogy over The Real Number System<br>Practice: Classifying numbers in the Real Number system |
| | **Assignment:** | Homework: none |

| **Enduring Understanding:** | | • Mathematicians understand how mathematical ideas interconnect and build on one another to produce a coherent whole.<br>• Rational numbers can be represented and used in a variety of forms depending on a given situation. |
|---|---|---|
| **Essential Question:** | | How do numbers relate to one another? |
| Thursday: | **Content Objective(s):** | **8.2A** extend previous knowledge of sets and subsets using a visual representation to describe relationships between sets of real numbers; |
| | **Language Objective(s):** | Use prior knowledge and experiences to understand meanings in English. [1 A]<br>Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction |

| | | and interactions. [2 C] |
|---|---|---|
| | **Content/Language Activities:** | Periods  2 Warm-up<br><br>Review of calculator steps missed on the Calculator Quiz the day before.<br>Notes: The Real Number System<br>Brace Thinking Map/Analogy over The Real Number System<br>Practice: Classifying numbers in the Real Number system |
| | **Assignment:** | Homework: none |

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| **Enduring Understanding:** | • Rational numbers can be represented and used in a variety of forms depending on a given situation. |
| **Essential Question:** | How do numbers relate to one another? |

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| **Friday:** | **Content Objective(s):** | **8.2A** extend previous knowledge of sets and subsets using a visual representation to describe relationships between sets of real numbers; |
| | **Language Objective(s):** | Use prior knowledge and experiences to understand meanings in English. [1 A]<br>Learn new language structures, expressions, and basic and academic vocabulary heard during classroom instruction and interactions. [2 C] |
| | **Content/Language Activities:** | Warm-up<br>Students will be given Real Number System Vocabulary strips to match and study for The Real Number System Vocabulary Quiz for about 10 minutes<br>Student will take The Real Number System Vocabulary Quiz |
| | **Assignment:** | Homework: none |