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| **Grade Level**  9th- Foundations of Algebra | | **Teacher/Room**: LPAYNE/BTIPPENS Week of: April 18-22 | | | |
| **Unit Vocabulary: Function, domain, range, coordinate plane, rate of change, slope** | | | | | |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction | | | | | |
| **Day 1** | **Day 2** | | **Day 3** | **Day 4** | **Day 5** |
| Common Core Standard(s):  MFAQR1. Students will understand characteristics of functions.  MFAQR2. Students will compare and graph functions.  MFAQR3. Students will construct and interpret functions. | Common Core Standard(s):  MFAQR1. Students will understand characteristics of functions.  MFAQR2. Students will compare and graph functions.  MFAQR3. Students will construct and interpret functions. | | Common Core Standard(s):  MFAQR1. Students will understand characteristics of functions.  MFAQR2. Students will compare and graph functions.  MFAQR3. Students will construct and interpret functions. | Common Core Standard(s):  MFAQR1. Students will understand characteristics of functions.  MFAQR2. Students will compare and graph functions.  MFAQR3. Students will construct and interpret functions. | Common Core Standard(s):  MFAQR1. Students will understand characteristics of functions.  MFAQR2. Students will compare and graph functions.  MFAQR3. Students will construct and interpret functions. |
| **EQ Question:**  What is a function?  How can I graph a function?  What can I describe from a graph of a function? (What does the graph mean?) | **EQ Question:**  What is a function?  How can I graph a function?  What can I describe from a graph of a function? (What does the graph mean?) | | **EQ Question:**  What is a function?  How can I graph a function?  What can I describe from a graph of a function? (What does the graph mean?) | **EQ Question:**  What is meant by “rate of change”  What does each part of the equation y = mx + b mean in a context?  How can I compare two functions? | **EQ Question:**  What is meant by “rate of change”  What does each part of the equation y = mx + b mean in a context?  How can I compare two functions? |
| **Mini Lesson:**  Number talk  **Activating Strategies:**  Ordered pairs  **Lesson:**  Function or relation?  What is an Ordered Pair? **Resource/Materials:**  Calculator, text, examples | **Mini Lesson:**  Number talk  **Activating Strategies:**  Solving for y  **Lesson:**  Solving for y worksheet  Graphing using a t-chart  **Resource/Materials:**  Calculator, text, examples | | **Mini Lesson:**  Number talk  **Activating Strategies:**  Characteristics of a function  **Lesson:**  Graphing linear equations by a t-chart and listing characteristics  **Resource/Materials:**  Calculator, text, examples | **Mini Lesson:**  Number talk  **Activating Strategies:**  Rate of change- slope  Y=mx+b  **Lesson:**  Rate of change problems  Graphing y=mx+b  **Resource/Materials:**  Calculator, text, examples | **Mini Lesson:**  Number talk  **Activating Strategies:**  Graphing by t-chart  **Lesson:**  Quiz function/relation, graphing ordered pairs, linear functions  **Resource/Materials:**  Calculator, text, examples |
| **Differentiation:**  *Content/Process/Product: different level of equations*  *Grouping Strategy: none*  *Assessment: Quiz/Chapter test* | **Differentiation:**  *Content/Process/Product: different level of equations*  *Grouping Strategy:*  *Assessment Quiz/Chapter test* | | **Differentiation:**  *Content/Process/Product: different level of equations*  *Grouping Strategy:*  *Assessment Quiz/Chapter test* | **Differentiation:**  *Content/Process/Product: different level of equations*  *Grouping Strategy:*  *Assessment Quiz/Chapter test* | **Differentiation:**  *Content/Process/Product: different level of equations*  *Grouping Strategy:*  *Assessment Quiz/Chapter test* |
| **Homework:**  Finish class assignment | **Homework:**  Finish class assignment | | **Homework:**  Finish class assignment | **Homework:**  Finish class assignment | **Homework:**  Finish class assignment |

Resources and Reflective Notes: