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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 worksheetGraphing 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- slopeY=mx+b**Lesson:**Rate of change problemsGraphing 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: