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| **Instructor: Jason Lancy**  **Course: Algebra 1 Honors  Windy Hill Middle School - Lesson Plan (2012-2013)** | |
| Q2 – Week | Date range: 11/5/12 – 11/9/12 |
| Essential Question(s) | When does a relation become a function?  **How can graphing real world situations help us to determine a range of possible answers?**  What are the different ways we can display the equation of a line?  When does a specific form of an equation help us to draw its picture and relate the information to real world situations?  How does knowing the equation of a line help us to make predictions in the business world?  How would recognizing the connection between two sets of numbers help you to make predictions? |
| NGSSS/CCSS | MA.912.A.3.8  MA.912.A.3.9  MA.912.A.3.10 |
| Learning Goal | **Students will be able to identify the parts of linear equations, inequalities, and functions. Students will be able to compare/contrast functions, linear equations, and linear inequalities.** |

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| **Unit Purpose & Theme:** | | | | | | | | | | | | |
| **Weekly  Instructional Focus & Content Overview** | **Monday** | | | **Tuesday** | | | **Wednesday** | | | **Thursday** | | **Friday** |
| Bellringer  4.3 Intercepts  Practice Problems  Real World Problems  Practice – groups/individual | | | Bellringer  4.4 Slope  Practice Problems  Real World Problems  Practice – groups/individual | | | Bellringer  4.4 Slope  ALGEBRA AEROBICS  Practice Problems  Real World Problems  Practice – groups/individual | | | Mini Quiz D.7.1  4.5 Slope Intercept Form  Practice Problems  Real World Problems  Practice – groups/individual | | CBR TI-84+ Activity  Matching the Graph |
| Objective | C. Determine the slope and intercepts of a linear function given a(n)  1. Graph  2. Equation  3. Table  D. Graph a linear equation given:  2. x- and y-intercepts | | | C. Determine the slope and intercepts of a linear function given a(n)  1. Graph  2. Equation  3. Table | | | C. Determine the slope and intercepts of a linear function given a(n)  1. Graph  2. Equation  3. Table | | | C. Determine the slope and intercepts of a linear function given a(n)  1. Graph  2. Equation  3. Table | | F. Apply linear function methods to statistical data  1. Finding the line of best fit  2. Making predictions  3. Recognizing the slope is the rate of change |
| Homework | Page 228 1-9 | | | Page 233 4-6 | | | X | | | Page 243 4-11 | | Finish Worksheet |
| Writing | Students will write a summary at the end of each note day. | | | | | | | | | | | |
| Vocabulary | *Intercepts, Slope, Slope Intercept Form,* | | | | | | | | | | | |
| Speaking/ Listening | Students are expected to participate in the power teaching. | | | | | | | | | | | |
| Assessments  Formative & Summative |  | Class Work |  | | Presentation |  | | Essay |  | | Journal Response | |
|  | Test / Quiz |  | | Question/Answer |  | | Exit Slip |  | | Other: | |

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| AVID Instructional Practices | | | | | | | | Marzano’s  High Yield Strategies | |
| **W** | | **I** | | **C** | | **R** | |  | |
|  | Learning Logs/Journals |  | Skilled Questioning |  | Group Projects |  | SQ5R |  | Identifying Similarities and Differences |
|  | Cornell Notes |  | Socratic Seminars |  | Study Groups |  | KWL |  | Summarizing and Note Taking |
|  | Pre-write |  | Quick-write |  | Jigsaw Activities |  | Reciprocal Teaching |  | Reinforcing Effort/Providing Recognition |
|  | Draft |  | Group Discussion |  | Read-Arounds |  | Think Aloud |  | Homework and Practice |
|  | Respond |  | Critical Thinking Activity |  | Response/Edit/Revision Groups |  | Marking the Text |  | Non-Linguistic Representations |
|  | Revise |  | Writing Questions |  | Collaborative Activities |  | Writing in Margins |  | Cooperative Learning |
|  | Edit |  | Open-Minded Questions |  |  |  | Charting the Text |  | Setting Objectives & Providing Feedback |
|  | Final Draft |  | Philosophical Chairs |  |  |  | Summarizing |  | Generating & Testing Hypotheses |
|  |  |  |  |  |  |  | Thinking Map |  | Cues, Questions, & Advance Organizers |

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| ESOL & ESE Strategies | | | | | | Classroom Resources & Materials | |
| **Strategies** | | **Assessment** | | **Other** | |
|  | Wait Time |  | Homework |  |  |  | Textbook - Springboard |
|  | Note Taking |  | Quiz |  |  |  | Handouts |
|  | Graphic Organizers |  | Test |  |  |  | Maps, charts, graphs |
|  | Group Work |  | Portfolio |  |  |  | Thinking Maps |
|  | Simple Lang. |  | Folder |  |  |  | Multimedia Projector |
|  | Audio Cass. |  | Notebook |  |  |  | Interwrite Mobi |
|  | Extra Time |  | Teacher Observation |  |  |  | White Board / SMARTboard |
|  | Study Guide |  | Project |  |  |  | Literature Books |
|  | Peer Tutor |  | Journal |  |  |  | Video clips/DVDs |
|  | Repetition |  | Debates |  |  |  | Document Camera |
|  | Dictionary |  | Participation |  |  |  | Audio |
|  | Role Play |  | Oral Work |  |  |  | Power Point Presentation/ Prezi |
|  | Visuals |  | Interviews |  |  |  | Reference Posters |
|  | Gestures |  | Open Book |  |  |  | Student Response System (Clickers) |