**Math 2**

**Units 4/5 – Quadratic Functions**

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| Day | Date | Topic | Classwork |
| 1 | Weds.2/27 | An introduction to quadratic functions, designed to elicit representations and surface a new type of pattern and changeSolidification of quadratic functions begins as quadratic patterns are examined in multiple representations and contrasted withlinear relationships. | 1.1 Something to Talk AboutPages 1-41.2 I RulePages 5-9 |
| 2 | Thurs.2/28 |  Focus specifically on the nature of change between values in a quadratic being linear. | 1.3 Scott’s Macho MarchPages 11-15 |
| 3 | Fri.3/1 | Focus on maximum/minimum point as well as domain and range for quadratics.Comparing quadratic and exponential functions to clarify and distinguish between each type of growth as well as how that growth appears in each of their representations. | 1.4 Rabbit RunPages 17-211.5 The Tortoise and The HarePages 23-26 |
| 4 |  Mon.3/4 | Incorporating quadratics with the understandings of linear and exponential functions. | 1.6 How Does it GrowPages 27-34 |
| 5 | Tues.3/5 | **UNIT 4 QUIZ** | **UNIT 4 QUIZ** |
| 6 | Weds. 3/6 | Connecting transformations to quadratic functions and parabolas | 2.1 Transformers: Shifty y’s Pages 1-6 |
| 7 | Thurs.3/7 | Working with vertex form of a quadratic, connecting the components to transformations | 2.2 Transformers: More Than Meets the y’sPages 7-12 |
| 8 | Fri.3/8 | Visual and algebraic approaches to completing the square | 2.3 Building the Perfect SquarePages 13-18 |
| 9 | Mon.3/11 | Visual and algebraic approaches to completing the square | 2.4 A Square DealPages 19-24 |
| 10 | Tues.3/12 | Visual and algebraic approaches to completing the square | 2.5 Be There or Be SquarePages 25-32 |
| 11 | Weds.3/13 | Connecting the factored and expanded forms of a quadratic | 2.6 Factor Fixin’Pages 33-38 |
| 12 | Thurs.3/14 | Connecting the factored and expanded or standard forms of a quadratic | 2.7 The x FactorPages 39-44 |
| 13 | Fri.3/15 | Connecting the factored and expanded forms of a quadratic when a-value is not equal to one | 2.8 The Wow FactorPages 45-52 |
| 14 |  Mon.3/18 | **MIDTERM (UNITS 1-5) REVIEW** | **MIDTERM (UNITS 1-5) REVIEW** |
| 15 | Tues.3/19 | **MIDTERM (UNITS 1-5)** | **MIDTERM (UNITS 1-5)** |
| 16 | Weds.3/20 | Building fluency in adding and subtracting polynomials | 3.3 It All Adds UpPages 53-58 |
| 17 | Thurs.3/21 | Building fluency in multiplying polynomials | 3.4 Pascal’s PridePages 59-66 |
| 18 | Fri.3/22 | Focus on the vertex and intercepts for quadratics | 2.9 Lining Up QuadraticsPages 67-74 |
| 19 | Mon.3/25 | Building fluency in rewriting and connecting different forms of a quadratic | 2.10 I’ve Got a Fill-inPages 75-81 |
| 20 | Tues.3/26 | **UNIT 5 QUIZ****End of Quarter 3** | **UNIT 5 QUIZ****End of Quarter 3** |

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Hot Lunch Tutorials: Tues (B) and Thurs (A)