Algebra – Unit 1 – Relationships between Quantities and Expressions

September/October

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| Monday | Tuesday | Wednesday | Thursday | Friday |
| 18  Translate words to Algebraic Expressions | 19  Guidance Dept. lesson in Lab | 20  Translate Word Problems to Alg. | 21  Translate Word Problems to Alg. | 22  **Quiz** |
| 25  **Fall Break** | 26  **Fall Break** | 27  **Fall Break** | 28  Fall Break | 29  **Fall Break** |
| 2  Dimensional Analysis | 3  Dimensional Analysis | 4  Literal Equations | 5  Review | 6  **Test** |
| 9  Rational Numbers vs  Irrational Numbers | 10  Simplify Radicals | 11  Simplify Radicals | 12  **Early Release Day**  Add/Sub Radicals | 13  **Quiz** |
| 16  Multiply Radicals | 17  Multiply Radicals | 18  Combine | 19  Review | 20  **Test** |
| 23  Intro to Polynomials | 24  Add & Subtract Polynomials | 25  Add and Subtract Polynomials | 26  Review | 27  **Quiz** |
| 30  Multiply Polynomials | 31  Multiply Binomials | 1  Application | 2  Review | 3  **Test** |

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| M 9-18 | **HW –** Translate Verbal Expressions to Algebraic Expressions – Handout given in class and attached    **Video –** Translating Written Expressions into Algebraic Expressions <https://www.bing.com/videos/search?q=Translating+Words+into+Algebraic+Expressions&&view=detail&mid=836C8299B567C88F499F836C8299B567C88F499F&FORM=VRDGAR> |
| T 9-19 | **HW –** Luck of the Irish – Handout given in class and attached |
| W 9-20 | **HW** – Word Problem Review – Handout given in class and attached    **Video** – Writing Inequalities – Khan Academy  <https://video.search.yahoo.com/yhs/search;_ylt=A0LEVj.45rlXh2gAliknnIlQ?p=khan+academy+-+writing+equations+%26+inequalities&fr=yhs-mozilla-001&fr2=piv-web&hspart=mozilla&hsimp=yhs-001#id=1&vid=a915aec24cfe9e7c59803b076c33d7a2&action=view> |
| H 9-21 | **HW** – Lucy’s Linear Equations and Inequalities – Handout given in class and attached |
| F 9-22 | **HW –** None. Enjoy the Break!! |
| M 10-2 | **HW –** Unit Conversions Practice – Handout given in class and attached with answers    **Video** – Dimensional Analysis  <http://www.schooltube.com/video/4cf0b4c55927402099cd/Unit%20Conversions> <https://www.youtube.com/watch?v=DsTg1CeWchc> |
| T 10-3 | **HW –** Dimensional Analysis Word Problems – Handout given in class and attached |
| W 10-4 | **HW –** Solving for a Particular Variable – handout given in class and attached with answers    **Video –** Isolating Particular Variables – Khan Academy by way of Youtube  <https://www.youtube.com/watch?v=eTSVTTg_QZ4> |
| H 10-5 | **HW** – Study Guide – handout given in class |
| F 10-6 | **HW -** None |
| M 10-9 | **HW –** Rational vs Irrational Numbers – Handout given in class and attached |
| T 10-10 | **HW –** Simplify Square Roots – Handout given in class and attached with answers    **Video** - Simplify Square Roots by Khan Academy  <https://www.khanacademy.org/math/algebra-basics/core-algebra-foundations/square-roots-for-college/v/simplifying-square-roots-1> |
| W 10-11 | **HW –** Simplify Square Roots (2) – Handout given in class and attached with answers |
| H 10-12 | **HW** – Add and Subtract Square Roots – Handout given in class and attached with answers    **Video** - Add/Subtract Square Roots You Tube  <https://www.youtube.com/watch?v=ZUbuMUrHtxQ> |
| F 10-13 | **HW -** None |
| M 10-16 | **HW** – Multiply Radicals – Handout given in class and also attached with answers    **Video** - Multiply Square Roots by Math Warehouse  <http://www.mathwarehouse.com/algebra/radicals/how-to-multiply-square-roots.php> |
| T 10-17 | **HW** – Multiply Radicals (2) – Handout given in class and also attached with answers |
| W 10-18 | **HW** – All Radical Operations – Handout given in class and also attached with answers |
| H 10-19 | **HW –** Study Guide **–** handout given in class |
| F 10-20 | **HW -** None |
| M 10-23 | **HW** – Intro to Polynomials – Handout given in class and attached with answers |
| T 10-24 | **HW**  - Add and Subtract Polynomials – Handout given in class and attached with answers    **Video** - Add and Subtract Polynomials by Khan Academy  <https://www.khanacademy.org/math/algebra-basics/quadratics-polynomials-topic/polynomial-basics-core-algebra/v/adding-and-subtracting-polynomials-2> |
| W 10-25 | **HW** – Add and Subtract Polynomials – handout given in class and attached with answers |
| H 10-26 | **HW** – Add and Subtract Polynomials – handout given in class and attached with answers |
| F 10-27 | **HW** - None |
| M 10-30 | **HW** – Multiply Polynomials – Handout given in class and attached with answers    **Video** - Multiply Polynomials by Khan Academy  <https://www.khanacademy.org/math/algebra-basics/quadratics-polynomials-topic/multiplying-binomials-core-algebra/v/multiplication-of-polynomials> |
| T 10-31 | **HW –** Multiply Binomials – handout given in class and attached with answers |
| W 11-1 | **HW –** Study Guide – handout given in class |
| H 11-2 | **HW** – Study for Test |