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| Teacher’s Name: Christopher West | Date: 3/9/18 |
| Course: GSE Algebra II | Block (s): 2 |

R.L. Osborne High School

Daily Lesson Plan

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| Standard(s): | |
| * MCC9-12.A.APR.7 (+) Rational & Radical Relationships Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions. | |
| Learning Target(s): | |
| Students will be able to simplify rational expressions. | |
| Opening Session | |
| Warm Up: (Optional)  Drill: Mixed Operations of Integers  Warmup: Factoring polynomials | Activator: (Required)  Identifying Simplified Fractions – Do you have a simplified fraction? How did you tell? Place your fraction in the appropriate category – Simplified or Not Simplified |
| Other Activities: Test Corrections on Polynomial Functions | |
| Work Session | |
| Practice work session problem sets on simplifying rational expressions.  (PRODUCT differentiated - 3 levels of skill builders) | |
| Closing Session | |
| *Reminder: Revisit the learning target. Why do we simplify rational expressions? And TOTD* | |
| Assessment Strategies | |
| *How will you assess student understanding?*  TOTD - *Given a rational expression – factor and simplify the resulting factors. Then multiply back out to get the final answer.* | |
| Differentiation | |
| *How will you differentiate today? Differentiation should reflect the following: extension, remediation, re-teaching, academic language development, acceleration, skill development, etc.*  Product Differentiation is based on past factoring of polynomials on they polynomials unit test.  PRODUCT:   * Lower level students will work on rational expressions that have already been completely factored. * Middle level students will work on rational expressions that start out as completely factored and progress to non-factored. (Some students will receive a list of polynomials and their factors to use as a reference list.) * Higher level students will work on rational expressions that are not factored. | |