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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 RelationshipsUnderstand 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.
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| Learning Target(s): |
| Students will be able to simplify rational expressions. |
| Opening Session |
| Warm Up: (Optional)Drill: Mixed Operations of IntegersWarmup: 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.* $\frac{x^{3}+11x^{2}+28}{3x^{3}-48x}$ |
| 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.
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