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| **Year 9 Term 1.2 - Maths** |  |
| **Enquiry Question: Does every equation have a solution?** |
| **Unit title: Grid Algebra 2** **Why now?** This unit of work will build on what you learned in a previous unit called **Grid Algebra I**. This unit will build on what you learned about equivalence of expressions to understand inverse operations and expressions. This will prepare you to apply Algebra in almost every area of mathematics and beyond. |
| **Knowledge**Students will know about… | **Application/Skills**Students will be able to… | **Vocabulary***(Tier 2 and 3)* | **Home** **Learning** | **Assessment** | **Extra Resources****Extended Reading** | **Cultural** **Capital** |
| 1. Recap on algebraic methods
2. What is an inverse journey?
3. What is an equation?
4. What is an identity?
5. Using inverse journeys to solve equations.
6. The 17th century move to symbolic algebra
 | 1. Work in a team
2. Communicate using mathematical language with others.
3. Generalise actions and represent these algebraically
 | ***Tier 2***OperationInverseBracketsVertical HorizontalEquivalentJustifyMultiple***Tier 3***ExpressionSolveIdentityEquation | **Pre-classroom:**Pre-lesson tasks on **google classroom** to get you thinking.Diagnostic questions**Post-Classroom:**Post lessons online tasks:* My Maths
* Google Form Quizzes
* Independent learning notes
 | Formative assessment at the end of the units in their LPS books. This will be a combination of students presenting what they know in a creative way followed by some differentiated questions. Summative Assessment at the end of T2.  | **Enrichment:**Explore **Fermat’s Last Theorem**, learn about who he was, why his **Last Theorem** was important, and find examples to demonstrate his **theorem** | Look at the Royal Institution Website and enjoy a family fun day exploring some interactive maths or listening to some talks![**https://www.rigb.org/families/family-fun-days**](https://www.rigb.org/families/family-fun-days) |
| **Numeracy**FractionDenominatorNumeratorDivisorQuotient |