# Subject Integration
# Insert Worksheet

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| **Integrated Lesson:** Math and Islamic Studies<br>**Teachers:** Taroub Aamar (7 grade) Math<br>Musa Ramsey (7A/B) Islamic Studies | |
| **Step One:** View Curriculum Map and select objective, Standards, and dates | |
| **Dates:** 26 – 30 November | **Dates:** 26 – 30 November |
| **Objectives**<br><br>**OBJECTIVES 7B**<br>Students will know and understand...<br>•Use algebra tiles to model and solve two-step equations<br>•Solve two-step equations<br>•Compare algebraic and numeric solution methods<br>•Write an equation that can be used to solve a problem<br>•Read, write inequalities, and graph them on a number line<br>•Solve one-step inequalities by adding<br>•Solve one-step inequalities by subtracting<br>•Solve one-step inequalities by multiplying<br>•Solve one-step inequalities by dividing<br>•Solve simple two-step inequalities<br>•Solve a real-world problems<br><br>**OBJECTIVES 7A**<br>Students will know and understand...<br>•Write solutions of equations in two variables as ordered pairs<br>•Graph points on the coordinate plane<br>•Use a graphing calculator to plot points described by ordered pairs<br>•Use a graphing calculator to adjust the graphing window<br>•Interpret information given in a graph<br>•Make a graph to model a situation<br>•Represent functions with tables<br>•Represent functions with graphs<br>•Represent functions with equations<br>•Generate different representations of the same data<br>•Generate multiple representations of functions by using a graphing calculator<br>•Solve a real-world problems | **Objectives**<br><br>Identify the valuable contributions that Muslims have made to the study of mathematics. Perhaps one of the most famous mathematicians was Muhammad ibn Musa al-Khwarizmi (ca. 800-ca. 847), author of several treatises of great importance in the field of mathematics. |

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| **Insert:**<br>Five pre-Algebra questions | **Insert:**<br><br>Identify the contributions of Muhammad ibn Musa al-Khwarizmi (ca. 800-ca. 847) to the science of Algebra. |
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