

## Title: Future World Populations – The Journey Begins - Math

<b>Objective:</b>	Students will look at current world populations, discuss the dangers of overpopulation, use a mathematical formula to project the world's future population, and make a graph with their results.
<b>Materials:</b>	calculator with exponent ability, colored pencils
<b>Introduction:</b>	Visit <a href="http://www.worldometers.info/world-population/">http://www.worldometers.info/world-population/</a> and talk about the current world's population, birth rates, death rates, etc.  Discuss the dangers of future overpopulation such as competition of resources, farming areas dwindling, waste management, global economy
<b>Lesson:</b>	Pass out the worksheet, explain the formula, and go through the example
<b>Conclusion:</b>	Discuss their findings
<b>Extension:</b>	Have students figure future populations of specific countries Have students make a plan to solve one of the dangers you talked about
<b>Modifications:</b>	Do the calculations together and have them do the graph on their own