

AUTHOR'S NOTE

These Math resources are all about how you can learn about the UAE in a Math classroom. They cover mathematical content linked to conservation and sustainable living in the UAE, character education, culture and history of the UAE.

I firmly believe that all math classes should begin with mathematical talk...just five minutes for the class to discuss the content as well as the topic linked to the content. Activities are to be done in groups. After the activity students present the research they do with the calculations. These activities give students opportunities to strengthen their calculation skills, collaborative skills, leadership skills and, presentation skills. They learn more about the UAE through Math. If there are time constraints the research activity can be assigned as homework and the class discussion can be organized during the next learning period or whenever possible. You could even use the Flipped Approach to learning where you disclose the topic in advance to your students on an online learning platform like Padlet or Edmodo. They do their research first at home and then tackle the activity in the classroom. Be mindful to give the topic content as a general research activity so that students find the Math activity interesting. I have focused on the mastery of Math concepts. Please do research on the Internet about using the mastery approach in the Math curriculum. You can give extended activities for differentiation in the classroom. The students who grasp concepts quickly can be given rich and challenging problems within the topic. The pupils who are not sufficiently fluent can be provided with additional support to acquire a solid understanding before moving to the next concept.

A few tips for teaching students to solve word problems.

- Ask students to underline the key vocabulary in a word problem. Most often students are unable to solve word problems because they do not truly understand the meaning of the vocabulary used in the problem. Do focus on mathematical vocabulary.
- Asking students to draw the problem using arrows and boxes also help in making them understand the problem better.

- Doing lots and lots of word problems would help them improve their problem-solving skills. Where possible encourage them to use their imagination and creativity to write their own word problems.

Some of the resources can be used with the curriculum programs available on the website. I will be adding more topics as and when I get time. So do visit the website often. Constructive feedback is always welcome. Please do e-mail me with suggestions.

TREASURES IN EDUCATION

Happy Learning!!!!

