**SAFE WATER FOR SCHOOLS - TASK NOTES:**

SETTING CONTEXT:

World Water day -- water as a human right

<http://www.un.org/en/events/waterday/>

Flint water crisis

CNN Student News January 14, 2016

<https://www.youtube.com/watch?v=BkKw_-pLEDo&index=10&list=PLTc0nEfdp_f2yywvicWsABFuYSYzQ6mU5>

Possible Extensions:

Looking at how many dispensers we would need for our school. (think about number of dispensers needed, location of dispensers)

Possibilities for revision:

I notice some of you bring your OWN water bottles? How would that impact your model? Do you need to revise?

I notice you used 8 cups per day. The chart says that is how much water you need in a whole day? Do you think you would need that much in the school day?

How much do you actually drink? Do some sort of trial, and then revise.

|  |  |  |
| --- | --- | --- |
| **U.S. Standard (Cups)** | **U.S. Standard (Ounces)** | **Metric (Milliliters & Liters)** |
| 1 cup | 8 fl. oz. | 250 ml |
| 1 1/2 cups | 12 fl. oz. | 375 ml |
| 2 cups or 1 pint | 16 fl. oz. | 500 ml |
| 4 cups or 1 quart | 32 fl. oz. | 1000 ml or 1 liter |

**Have a chart ready for measurement conversions:**

16 cups per gallon,

4 cups in in 1 quart (and in 1 liter approx)

2 cups in 16.9 ounce plastic bottles (approx)

How much time would we need to plan for? A year (52 weeks, 180 days)? A month (20-31 days)? A week (5-7 days)? Does the time of the year matter?