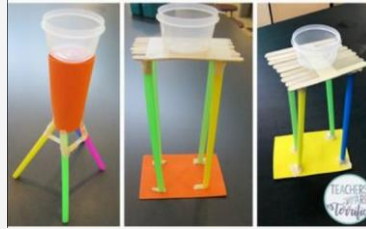


WATER CRISIS CHALLENGE: INSTRUCTIONS

The Engineer's Week water crisis challenge is an activity you can carry out with a group of students. Print instructions, worksheet and distribute. Encourage students to read the activity concept and work through the worksheet following the design process of Ask, Imagine, Plan, Create, Improve.



Materials

Popsicle Sticks Cups Tape & elastic band
Newspaper Scissors Water/ weight

TOP TIP - like real engineers, prototypes must be economical and sustainable, using as little materials as possible and designs should hold the weight of water.

Activity Content

A small village in Sub Saharan Africa has no access to running water. How do the villagers drink a glass of water when they are thirsty? How do they shower? How do they clean their clothes? Currently a high percentage of village women and children must walk 15 km to a well and fill up old cartons with water. Why is this a problem? (Discuss)

The Task

The Irish Government has assigned your teams a task to create a water tower that can hold water, which will free up the villagers time, increase standard of living and children can go to school!

