

Name: \_\_\_\_\_

Quarter 2 School Wide STEM Challenge - - DUE Dec. 21st, 2017

Ex: Shark Tank - <https://vimeo.com/161527160>

<https://www.youtube.com/watch?v=EvxMRnCCnMs>

## Medicine in Disguise



**Problem:** People in third world countries often do not have access to medicine or feel threatened by it because they don't like the way it feels when they get it.

**Problem areas:** Continent of Africa, Central America, Islands (Haiti, Dominican Republic, Puerto Rico)

**Engineer:** Help disguise a medicine dispenser so it's not so scary to take medicine and then more lives can be saved!

**Constraints:** (Please do not recreate Ava the Elephant.)

1. Dispenser must be able to dispense 1 ml of water from the dropper.
2. Dispenser must be made out of recycled materials.
3. Dispenser must be able to fit the dropper
4. Medicine disguise must be reusable and waterproof.

**TESTING** will happen at 9:30 am on December 21st. In order to qualify for prizes the dispenser and paperwork must both be in school.

**\*\*\*\*Ms. O. will give you a medicine dispenser once you have a plan created and turned in... Have no fear if you don't have an eye dropper or dispenser we've got you covered!!**

**Ask:** Why is it important to take medicine?

**Imagine:** Brainstorm some futuristic ways we could take medicine that wouldn't hurt. How would you administer (give) it?

**Plan:** Draw what you want your medicine dispenser to look like, label all the parts.

**Plan A:**

**Plan B:**

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**Improve:** How did you have to improve your medicine dispenser?

Did your child LOVE this project? If so please click this link and you could submit their idea and plan to help solve this grand challenge.

<https://www.iteea.org/News/282/ESDesignChallenge.aspx>