Plant Elite

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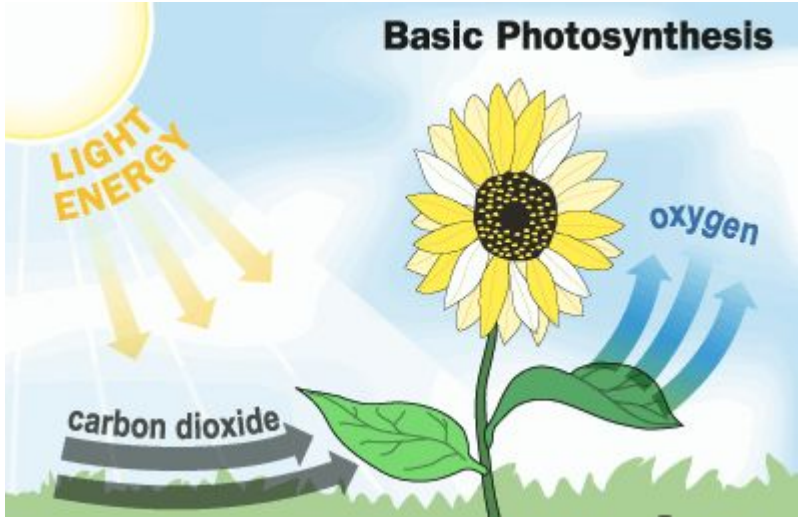
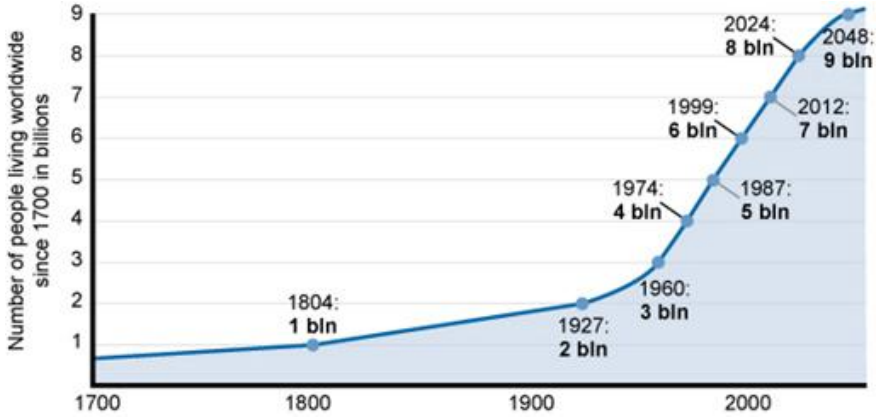
Did you know Plants improve air quality through several mechanisms:

they absorb carbon dioxide and release oxygen through photosynthesis



Did you know by 2050 humanity's ranks will likely have grown to nearly 10 billion people?



- That means we're going to need more food to feed the growing population
- With the enhancement of technology, GM foods are on the rise, putting our health at risk

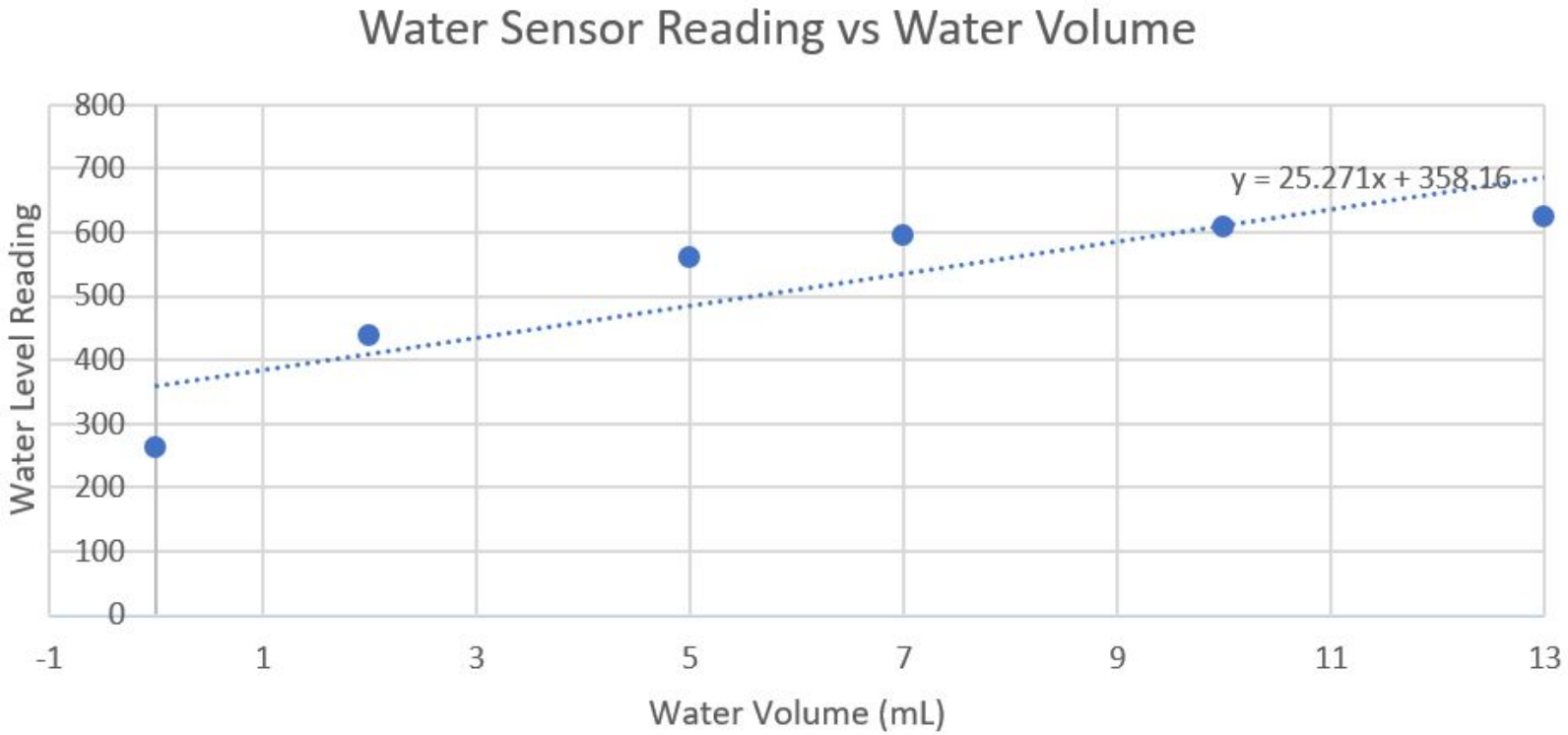
OUR OBJECTIVES

- HELP PRESERVE WATER
- TO HELP FARMERS AND GARDENERS PLANT EASY
- GROW GREEN WITH EASIER MAINTENANCE
- PROMOTE PLANTING AND HEALTHY EATING

How our project works

1. the user places the water sensor in the soil of the plant
2. The user selects the plant type and the stage the plant is in.
3. The water sensor reads the depth of the water and outputs a reading from 0 to 700. 700 being very wet
4. A program is set to convert the water readings to ml measurments
5. When the plant is dry the user is notified through a text message, the user then adds water until the program emits a sound alert, notifying the user that enough water has been poured.

GRAPH USED TO CONVERT SENSOR READINGS TO ML

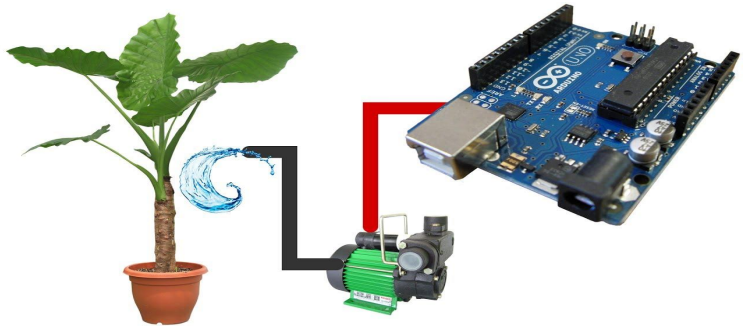


Our Solution

- To help preserve water by not over-watering the plant
- to aid gardeners maintain plants easier

Moving Forward

- Detects temperature from the surrounding environment of the plant and will notify the user when the plant will need sunlight or it has too much.
    - This will minimize the growth of bacteria
- Adding a water pump. By using this, the plant will be watered automatically
- expand database and allows the program to adjust to every type of plant



Thank you for listening

If you have any questions please feel free to ask