Ideas

<https://www.instructables.com/id/Sprout-Modern-Indoor-Self-Watering-Planter/>

<https://circuitdigest.com/microcontroller-projects/arduino-automatic-plant-watering-system>

<https://www.instructables.com/id/Mobile-Sun-Seeking-Robot/>

(These are two I found. Let me know if you find any others or have one you like)

1. Water + Light Box
2. Wagon Following device

* I already submitted the three of us as a group on moodle.

Water + Light Box [example](https://www.instructables.com/id/Automated-Plants-Watering-and-Lighting-System/)

[Ted Talk (inspiration)](https://www.ted.com/talks/caleb_harper_this_computer_will_grow_your_food_in_the_future#t-404494)

Components

[Water Sensor](https://leeselectronic.com/en/product/109192.html) - Lee’s

Brainstorm Priority (functionality)

1. Self Water
2. Killswitch
3. Live water monitor
4. Water protocol autonomy
5. Lighting
6. Lighting protocol autonomy
7. Bluetooth phone control & monitoring
8. (Software) Overall Program per plant
9. Plant food

<https://seeeddoc.github.io/Grove_Smart_Plant_Care_Kit/res/Grove_Smart_Plant_Care_Kit_Manual_Final_S.pdf>

<https://www.instructables.com/id/Grove-Smart-Plant-Care-Kit-Assembly/>

For Jerome (All prices are appoximate):

Arduino = $14

Vinyl tubing = $7

Components for circuitry = $80

PVC piping = $10

Other small stuff (case, glue, assembly materials) = $10