***My school garden project***

***Desing***



***step1-Empathy***

*notes from interview*

* *likes a medium-sized garden*
* *currently has no garden*
* *prefers a manageable garden*
* *Does not want to waste time watering the plants*
* *Does not want a high running costs.*

*step2-Define and understand*

1. ***winterveldt high wants to be responsible and grow a garden suprisingly to provide food security to its students***
2. *The school wants to provide food security for its learners.*
3. *The school wants to sell vegetables to raise funds for charities.*

***step3-Ideate and generate***

1. ***winterveldt high wants to be responsible and grow a garden suprisingly to provide food security to its students***



*\*water-level monitor which can be fully automated from a cellphone*



*\*This water monitor will check out for sings of rain so the garden wont be watered on rainy days by default(powered by something like the cube)*



*\*when it gets dry the enviromental sensor will trigger the sprinklers.*



*\*just sprinkler system.*

*THE SCHOOL LIKES ALL THE IDEAS SINCE ITS THE START.*

***Step4-prototype and test***

***solution***





***the cube along with the other tech works just fine and the school is happy as of now.***

***Questions***

* *Is the system not expensive*
* *are the maintanance costs low*

***Ideas***

* *A fully automated/self-thinking robot for monitoring.*