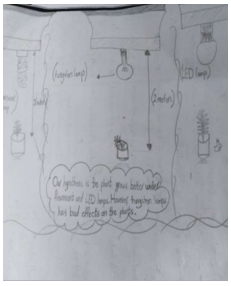
Planting By Using Artificial Lighting With Different Wave lengths

One of the most important difficulties facing Jordan is the crowded building ,pollution and the lack of planting lands.

Where by the modern building design do not allow good suitable lighting for planting also decreasing in planting lands.



Therefor our team made a conference for searching on solution for this problem ,an idea is appeared by using artificial lighting .









What we are doing is testing (3) kinds of lighting sources (Incandescent Bulb, Fluorescent, LED) with three colors (blue, red, and purple), We have chosen (3) kinds of plants ,(leaves, vegetable plant , decorative)





Preparing the tools of the experiment as agreed and starting execution





The three kinds have been watched for growing by taking the length of trunk and width of leaves .






Also the chlorophyll was calculated in content in leaves in labs HAMDE Mango Academy in university of Jordan and this what we have learned there









After two months of recording data and controlling the parameters we got the results after dedicating all efforts to obtain the best result

We can plant in different type of lamps and different colors and the best one was the white and the purple led light

Sondos

AL-Mhsen

Hneen

AL-Masalek

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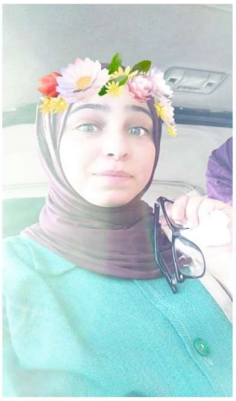
Dania

AL-Qasire



Aden

AL-Badnde

Team : shiny light team
school : Almashare' preparatory girls schooln