



We build our future with thought and morals

# Welcome to Almustaqbal Elementary School Jaljulya-Israel

September 2016

# Almosaqbal School Vision

- We, Almosaqbal family, are proactive people who believe in our ability to design our future and to be a lighthouse to the community in Jaljulya.
- Almosaqbal school educates to universal values of the Islam.
- Our school invites for every individual a personal growth journey with a respect to his\her abilities and uniqueness.



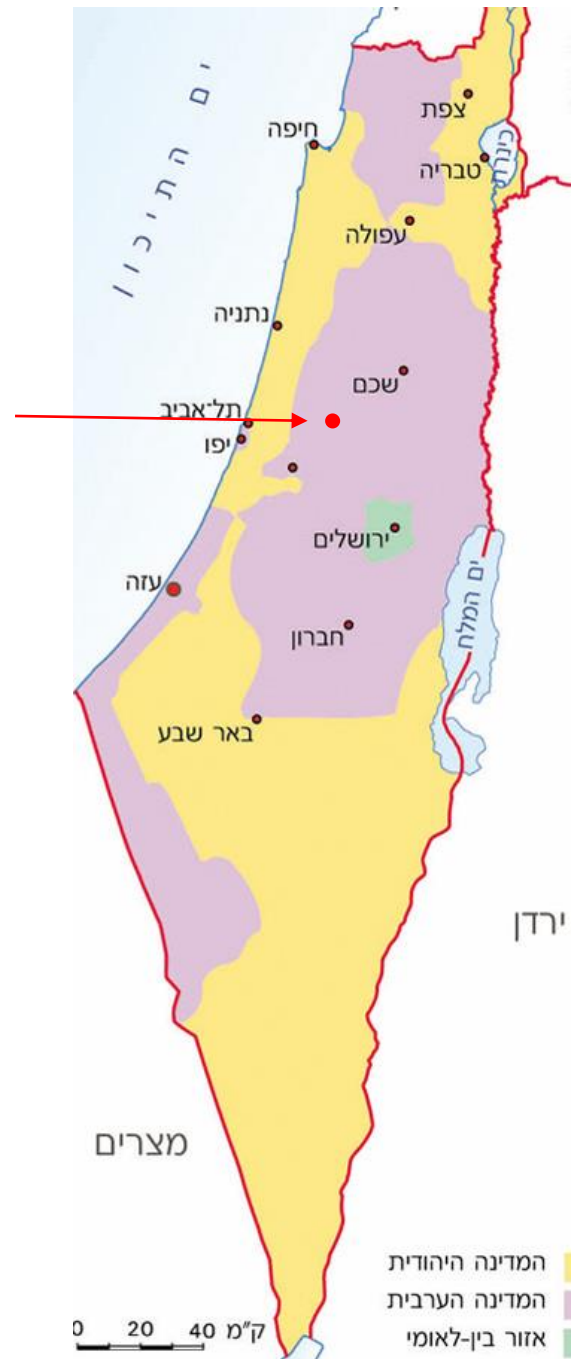
# About Almustaqbal School

- ❖ Our principal is Fatina Hijli.
- ❖ Our school contains classes from Kindergarten through 6<sup>th</sup> grade.
- ❖ There are 500 students, including 40 with hearing deficiencies.
- ❖ Our school promotes the universal values of Islam.
- ❖ Our school joined the Tovnot Be'Hinuch initiative two years ago.



Description: Jaljuliya is a small town\vilage located in the center of Israel.

Jaljuliya



# Globe Program

- This is our 1<sup>st</sup> year of participating in the GLOBE program.
- 14 pupils are included in our project.
- From the beginning of the school year in September 2016, the pupils uploaded information in the GLOBE site concerning the temperature, the clouds, the wind and the humidity in the air.

## Our GLOBE Group



# GLOBE Groups

The pupils are divided into two groups

## Group 1

- This group does a research about the growth of plants on the northern side and the southern side of the river and how these sides effect the plants.

## Group 2

This group does the following:

1) **Aquaponics** – which is planting within water and fish.

At our greenhouse there are 3 systems without soil at all.

- Planting within stones.
- Planting in water above a polystyrene.
- Planting in tubes.

Fish produces ammonia which transfer to nitrates that is a fertilizer for the plants.

The pupils learn different terms that are related to chemistry.

**Our purpose** is to check how the temperature, wind and humidity in the air effect the growth of plants in aquaponics that are planted in stones, tubes and water.







## 2) Designing bonsai trees.

Each pupil choose a shape for the bonsai tree and design it by aluminum wires.

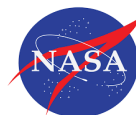


### 3) Germination.

The pupils put the seeds in special tray.



## 4) Recycling.



## 5) Cactus grafting.

Each pupil choose 2 types of cactus and design it. They use materials as: alcohol, rubber, cotton wool.

