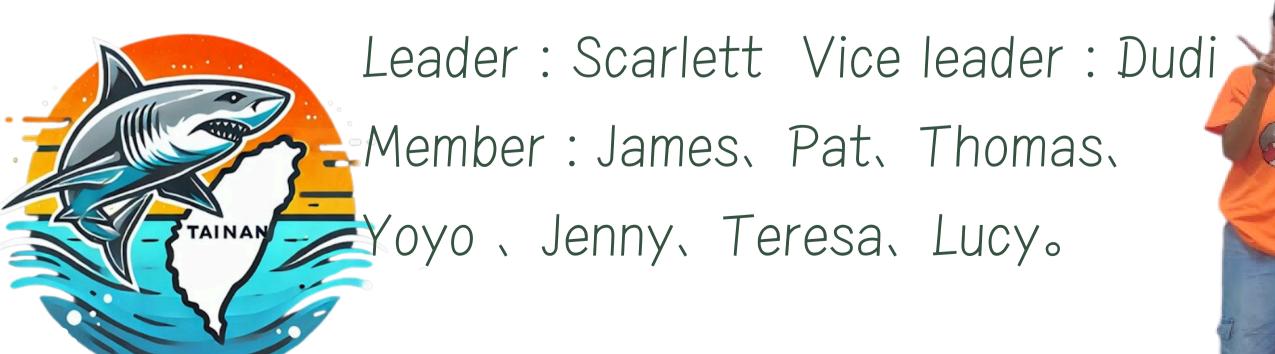


GREENHOUSE SMART PLANTING SYSTEM

Smart Fluating Island

DIRECTING TEACHER: 黄明貴、鄧佳琳、陳思宇

SIMEN SHARK TEAM:





How does climate change affect us?



ENVIRONMENTAL IMPACT

Extreme weather:

Climate change is leading to more frequent and intense extreme weather conditions.

Sea level rise:

Melting glaciers and polar regions are causing sea levels to rise,

Threaten the survival of coastal areas and islands.





ECOLOGICAL IMPACT

Biodiversity:

Climate change biological habitats, many animals are in danger of extinction,

The balance of the ecosystem is disrupted.

Agricultura l impact:

The growing season of crops are

affected, It can lead to food shortage problem.





Smart Floating Island



Global Warming Causes Sea Level Rise.

People of coastal areas will have nowhere to go.

There will be challenges of living on floating islands.

How can we mitigate and adapt to climate change?

We will explore these issues through PBL and STEAM.







PRINCIPLE OF OPERATION OF THE GREENHOUSE PLANTING SYSTEMA

SOLAR ENERGY
STORAGE MODULE
GREEN ENERGY POWER
SUPPLY SYSTEM

LIGHT SENSING WITH
PLANT GROWTH LAMPS

AN AUTOMATIC
IRRIGATION SYSTEM
WITH SOIL MOISTURE
SENSORS.

TEMPERATURE AND
HUMIDITY MONITORING
INDOOR TEMPERATURE
REGULATION





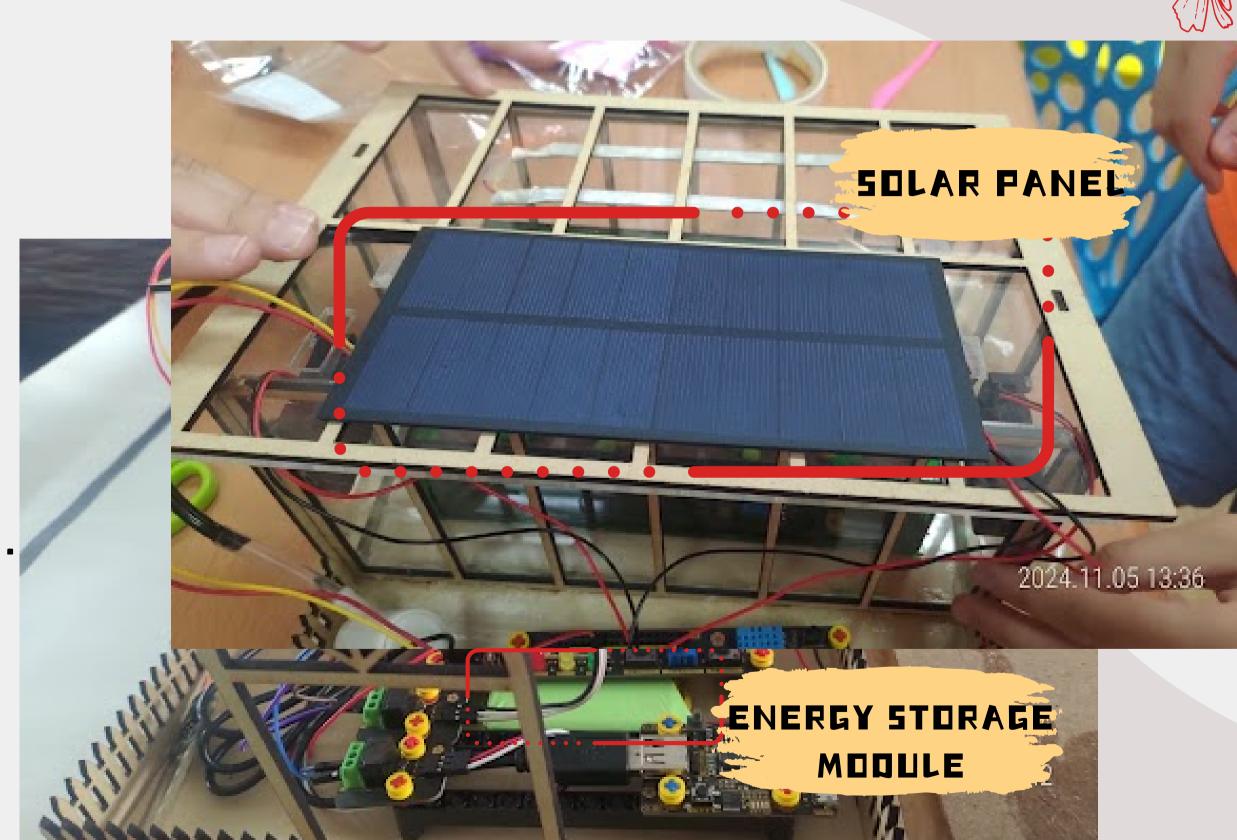




PRINCIPLE OF OPERATION OF THE GREENHOUSE PLANTING SYSTEM

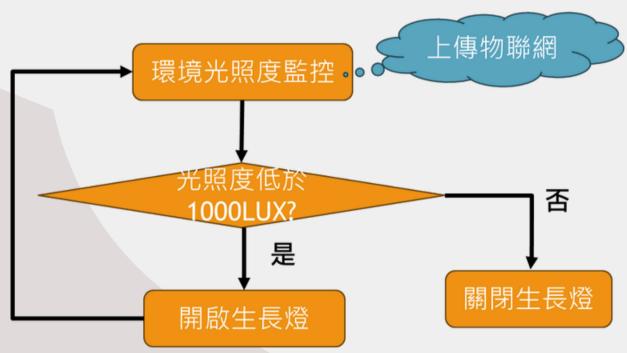
SOLAR ENERGY STORAGE MODULE **GREEN ENERGY POWER SUPPLY SYSTEM** Through solar panels, the batteries build net-zero carbon emissions green energy.



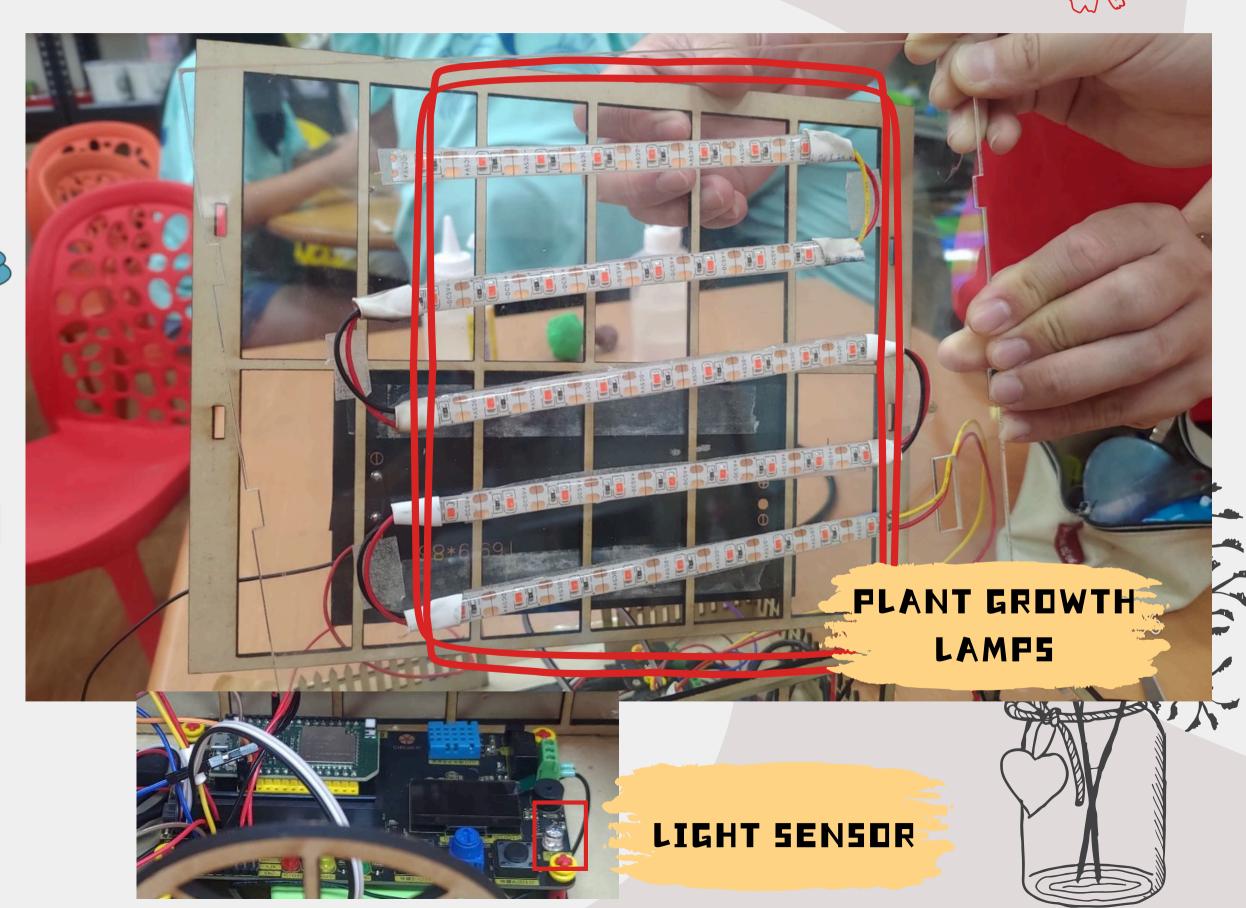


PRINCIPLE OF OPERATION OF THE GREENHOUSE PLANTING SYS

LIGHT SENSING WITH PLANT GROWTH LAMPS





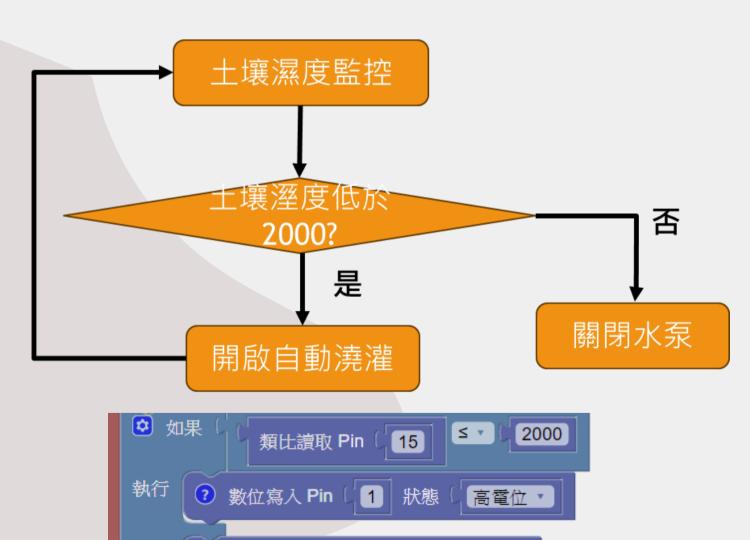


PRINCIPLE OF OPERATION OF THE GREENHOUSE PLANTING SYSTEM

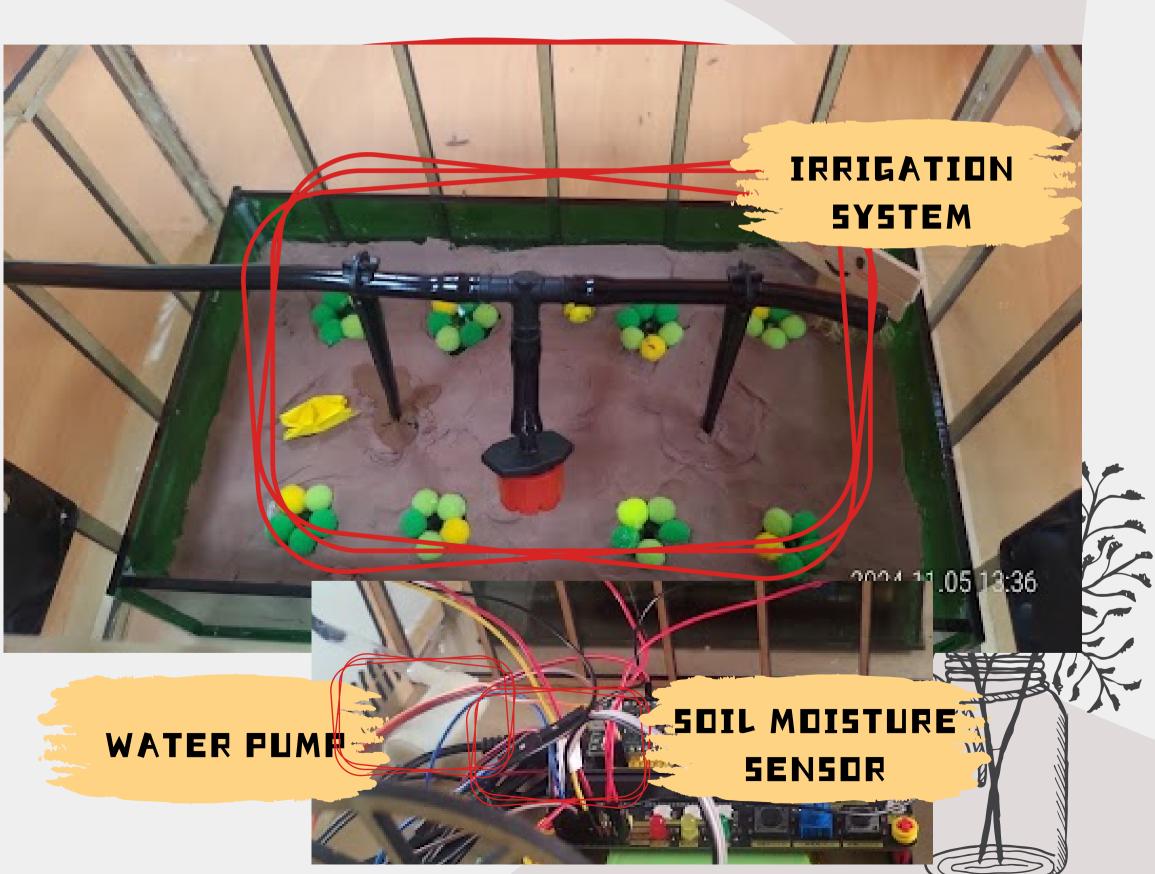
AN AUTOMATIC IRRIGATION

SYSTEM WITH SOIL MOISTURE

SENSORS.



數位寫入 Pin [1 狀態



PRINCIPLE OF OPERATION OF THE GREENHOUSE PLANTING SYSTEM

