

2H (even) Gr. 6 - Garden.

Timeframe

- Phase I: Plan & Research
- II: Design & Code
- III: Build prototype
- IV: Test & Refine.

Description of work

Date.

(Month)

Potential solutions

Problem / Difficulties

成日淋水好煩

~~有書查~~

Temperature regulation.
for plants.

感光 for better lighting

高埋用 D 咩 sensors for each solutions.

Solutions

Automatic - watering system

Monitor temperature. →
too hot → turn on fan,
too cold → give warning / alarm.

Environmental light sensor
monitor amount of sunlight →
too dark → turn on RGB light
too bright → turn off the light

Cycle 15/16 Design w.s.

⇒ Design 2 (Eliminate air con, change windows to fence.)

Division of labour.:

- ① Proposal improvement: 劉宗仁.
- ② Cycle 15/16 Design w.s.: 鄒恩澤, 李自為
- ③ Reflection of Google Site: 任子為

2H (even) Grp. 7 - living room.

Preliminary Proposal

→ Background Information = Need correction.

→ Potential solutions =

Household problems / Difficulties
→ Forget to close the door after entering the room.

Solutions
Microbit gives warning
→ servo close the door.
→ Speaker provide warning.

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→ Room temperature too high

Turn on electric fan.

→ Investigative question.

→ Timeframe :

Division of labour.

① Preliminary proposal: 梁智晴, 鍾汶希.

② Design. w.s.: 李~~欣~~欣晴, 梁智晴.

③ Reflection. of Google Site: 吳驊謙

2H (even) Group 9.8. - toilet.

Preliminary Proposal

Potential solution:

Problems
浸浴缸放太多水。
水浸。

Solution.
水位探測器。

太多水蒸氣太燜

Electric fan 吹風。

痔瘡 ~~痔~~ Problem.

入左 toilet 15 mins.
就有 warning 顯示