Prize Winner

Programming, Apps & Robotics

Year 5-6

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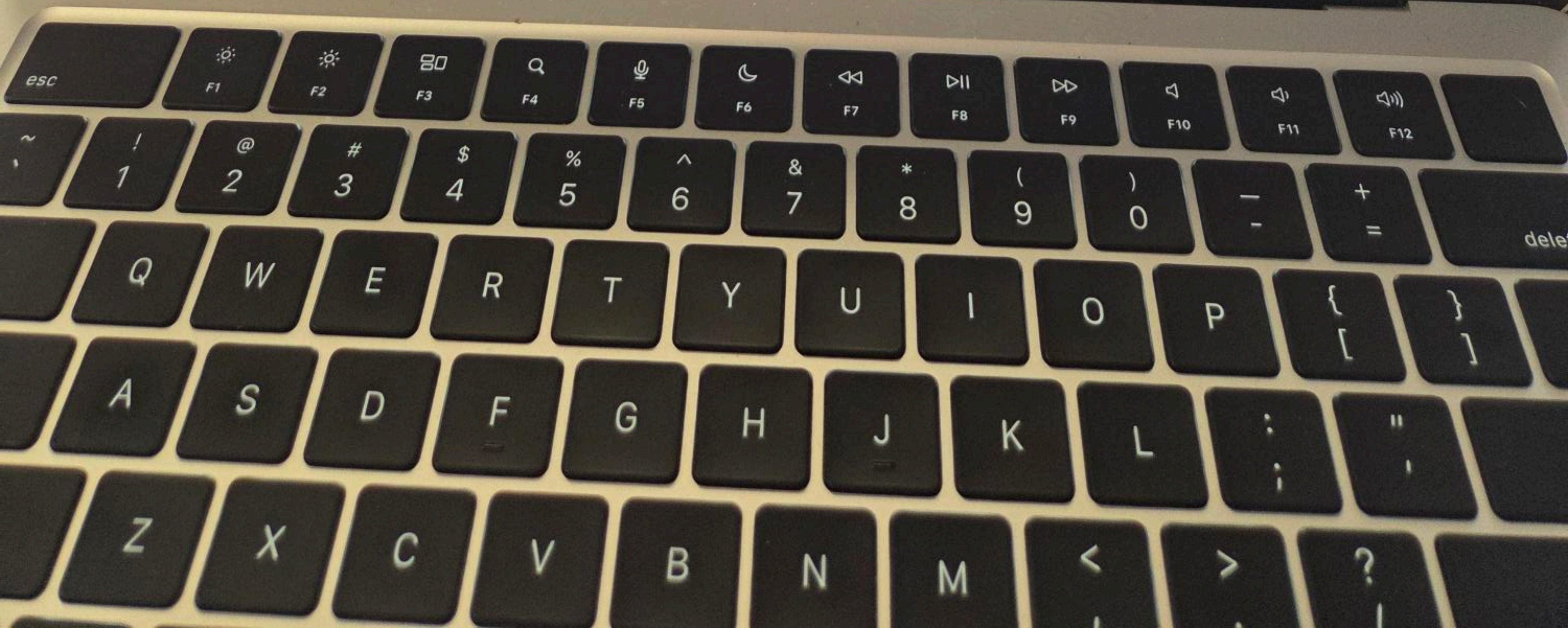**The aim of the entry, and its scientific purpose and potential applications**
The point of this app is to teach people about how to plant their plants in the right place and conditions so people can know how to plant their plants. I also made it for people who are curious about plants, plus my game is in the Australian curriculum.

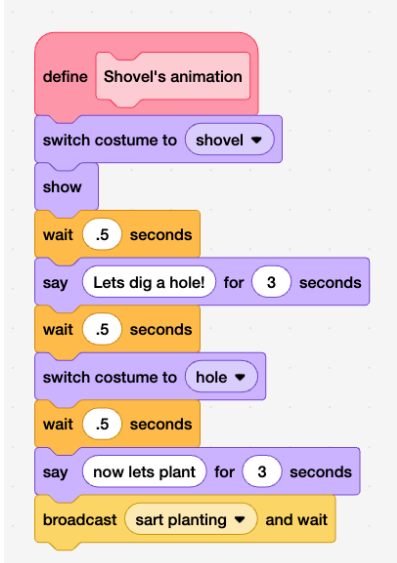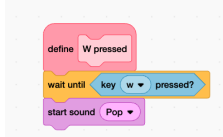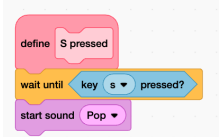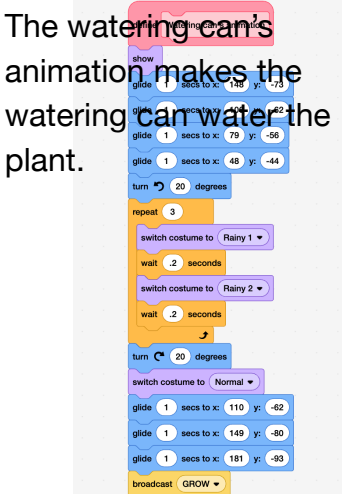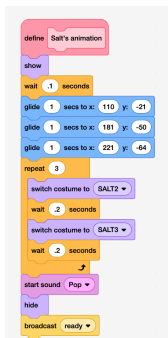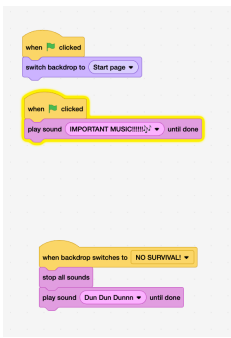**The type of robot or computer/device required to run the program**
Just any laptop with a web browser (Chrome or Safari)

Clear instructions on loading or using the entry
Just click on the Scratch link and follow the instructions
https://scratch.mit.edu/projects/1142875122/

A hard copy of the program and an explanation of what the sections of the program do

define Shovel's animation switch costume to shovel show wait .5 seconds say Lets dig a hole! for 3 seconds wait .5 seconds switch costume to hole wait .5 seconds say now lets plant for 3 seconds broadcast sart planting and wait	define W pressed wait until key w pressed? start sound Pop	define S pressed wait until key s pressed? start sound Pop
These Parts are defining the blocks I've made; Shovels animation make the shovel dig a hole, Salts animation	– W pressed makes it so when W pressed it plays a sound after the procedure for choosing environments and seeds	– S pressed makes it so when S pressed it plays a sound after the procedure for choosing environments and seeds
The watering can's animation makes the watering can water the plant. show glide 1 secs to x: 148 y: -73 glide 1 secs to x: 79 y: -56 glide 1 secs to x: 48 y: -44 turn 20 degrees repeat 3 switch costume to Rainy 1 wait .2 seconds switch costume to Rainy 2 wait .2 seconds turn 20 degrees switch costume to Normal glide 1 secs to x: 110 y: -62 glide 1 secs to x: 149 y: -80 glide 1 secs to x: 181 y: -93 broadcast GROW	define Salt's animation show wait .1 seconds glide 1 secs to x: 110 y: -21 glide 1 secs to x: 181 y: -50 glide 1 secs to x: 221 y: -64 repeat 3 switch costume to SALT2 wait .2 seconds switch costume to SALT3 wait .2 seconds start sound Pop hide broadcast ready -Salt's animation makes the salt sprinkle a bit into the water	when clicked switch backdrop to Start page when clicked play sound IMPORTANT MUSIC!!!!! until done when backdrop switches to NO SURVIVAL! stop all sounds play sound Dun Dun Dunnn until done - This part starts the program, it plays music when it starts, so it sounds nice, it also has code to play sound effects when specific backdrops change.

Acknowledgment of any external support provided to the entry
My mum helped me find inspiration photos for my art (plants), My G&T teacher Mr. Do guided me in the right direction.

A bibliography that acknowledges relevant sources of information.
I used the google AI and chat GPT to get my information.