

# Creative Coding With Scratch

## Growing Flowers



### Getting Started

Select **Tree** backdrop.  
Create your own flower sprites.  
Resize these to make them very small and position them around the tree.

### Challenge 1

Can you create flower sprites and add them to the backdrop?

### Challenge 2

Can you make each flower grow when it is clicked on?

### Challenge 3

Can you add a sound effect as the flower grows?

### Challenge 4

Investigate other ways to make the flowers start growing. Add a gardener who can move around and touch the flowers.

#### I can:

create my own sprites;  
make a sprite grow;  
add sound effects to a sprite;  
animate a sprite to move with arrow keys;  
make a sprite interact with another sprite.

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# Helpful Hints

## Growing Flowers

Each Creative Coding Challenge is an open-ended task, which can be approached in many different ways. Pupils should be encouraged to have a go and tackle these tasks independently. The following hints are not intended to provide complete solutions but may serve as useful cues for supporting less-confident coders.

**To make a sprite grow:**

**when any key pressed**

**change size by 10**

**To add a sound effect:**

**play sound boing**

**To make one sprite interact with another:**

**when any key pressed**

**if touching Abbey then**

**change size by 10**

**play sound boing**