

What did you find tricky last week?

**What could you suggest to help
with this?**

Recap—what **did** we do last time?

- saw microbit
- drew a map of the temp & light levels of the room
- saw we can send the information from a microbit to a central Raspberry Pi
- intro to Sonic Pi (for making background sounds for our room)

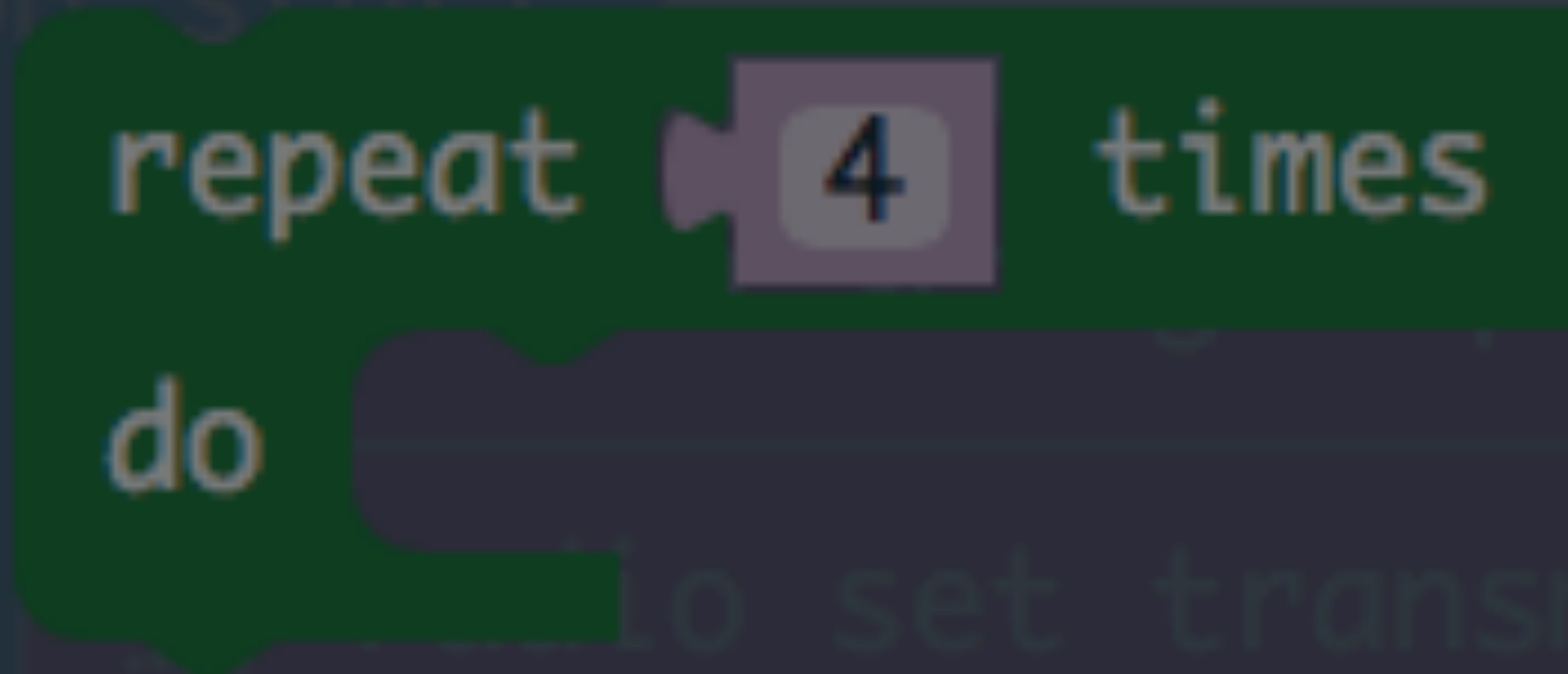
Today

try out the pxt programming software for microbit

The screenshot displays the PXT programming environment for the micro:bit. The top navigation bar includes the 'micro:bit' logo, 'Projects', 'Blocks', 'JavaScript', a help icon, a settings icon, and the 'Microsoft' logo. The main workspace is divided into three sections:

- Left Panel:** Shows two micro:bit boards. The top board displays a temperature gauge at 21°C and a digital display showing '128'. The bottom board shows a similar setup with a different display value.
- Middle Panel:** A block palette with a search bar and various categories: Basic, Input, Music, Led, Radio, Loops, Logic, Variables, Math, Advanced, Text, Game, Images, Pins, Serial, Control, and Add Package.
- Right Panel:** A script editor showing a program starting with 'on start'. The script includes:
 - 'radio set group' set to 1.
 - 'radio set transmit serial number' set to true.
 - 'show number' set to device serial number.
 - 'pause (ms)' set to 5000.
 - A 'while true' loop containing:
 - 'radio send value' for 'temp' = 'temperature (°C)'.
 - 'radio send value' for 'light' = 'light level'.
 - 'show number' for 'light level'.
 - 'pause (ms)' set to 1000.
 - 'show icon' set to a light level icon.
 - 'pause (ms)' set to 1000.
 - 'show number' for 'temperature (°C)'.
 - 'pause (ms)' set to 5000.

see some of the blocks we can use to program our pets



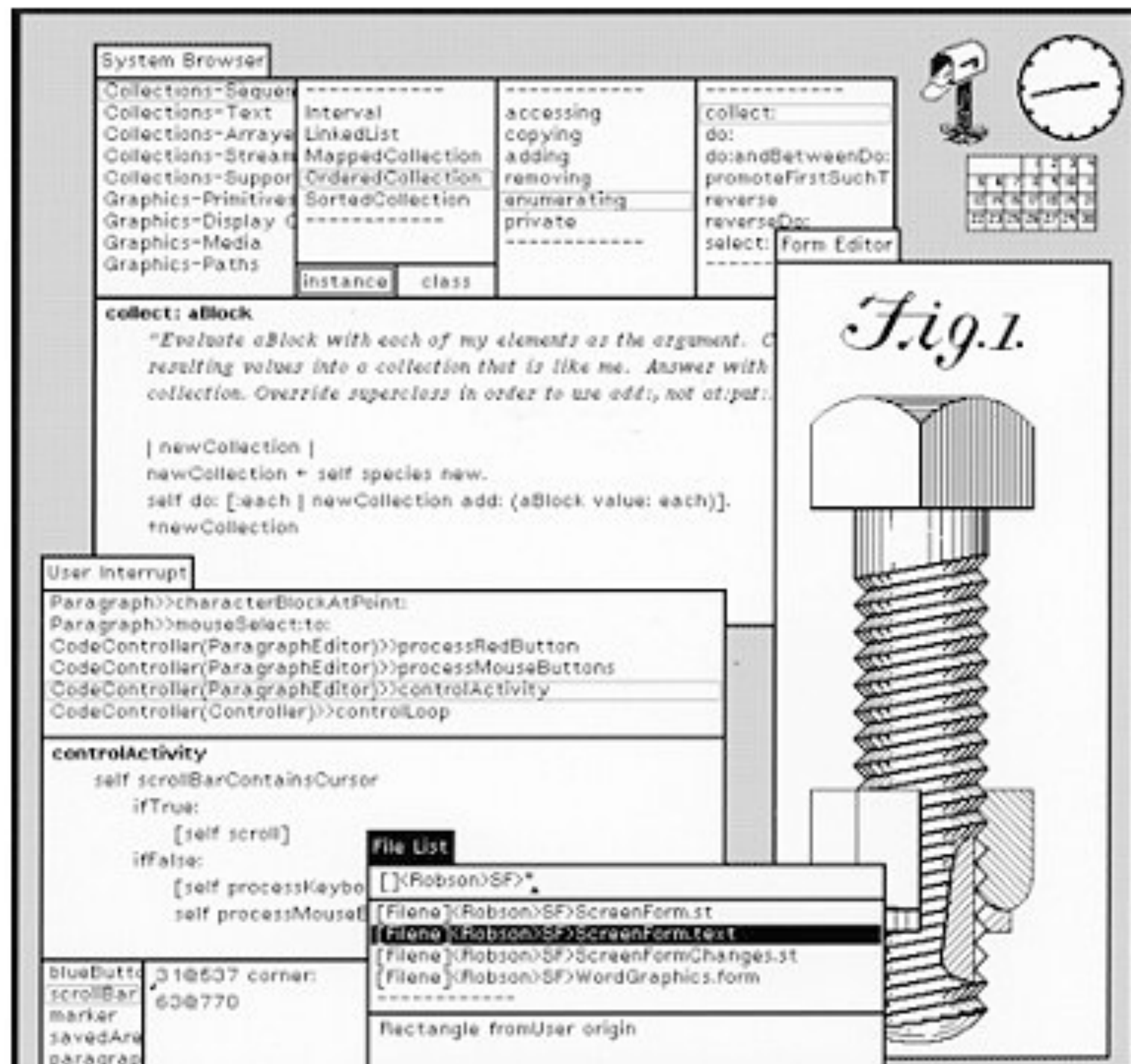
Today's video

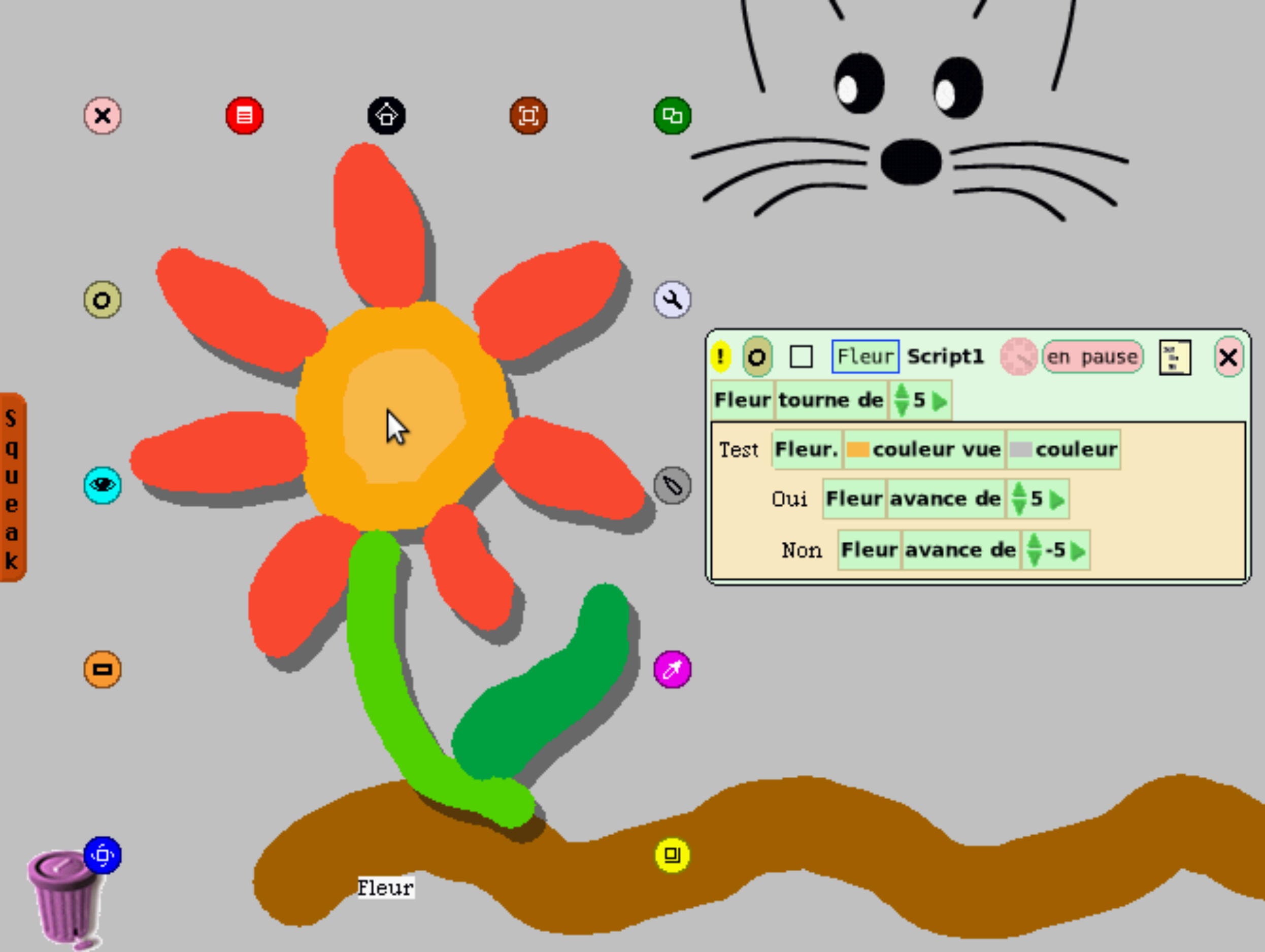
Alan Kay & Squeak





Image: Xerox PARC





! Fleur Script1 en pause

! Fleur script vide

Rechercher

base

! Fleur joue son croah

! Fleur avance de 5

! Fleur tourne de 5

Fleur. x 206

Fleur. y 310

Fleur. cap 0

tests

Fleur. barrières faux

Fleur. chevauche Fleur

Fleur. couleur vue

Fleur. est sous souris vrai

Fleur. intersection avec Fleur

Fleur. isOverColor couleur

Fleur. touche un Fleur

Squeakers

