Coding in Scratch Session Introduction to Scratch

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- Scratch
- Offline vs Online Version
- The Website
- Types of Accounts
- Palettes and Panes
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- Toolbar

Scratch

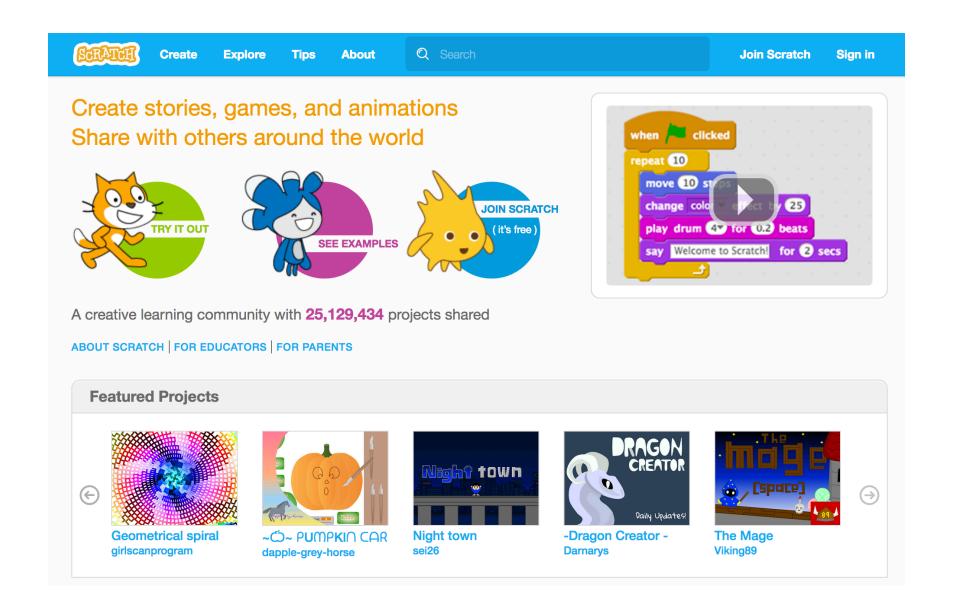
- Created and maintained by MIT Media Lab
- Designed to have:
 - Low floor
 - Wide walls
 - High ceiling
- Free to use
- Moderated community

Offline vs Online Version

- Online version of Scratch has three main advantages:
 - the Community
 - Teacher Accounts
 - You don't need to install anything on school PCs
- Offline version may be better suited to schools with unreliable or slow internet connections
- We will focus on the online version in this workshop

The Website

— <u>scratch.mit.edu</u>



The Website

- Try it Out / Create
- See Examples / Explore
- Featured Projects
- Join Scratch

Type of Accounts

- Normal Account
- Student Accounts
- Teacher Accounts

Palettes and Panes

— Block Palette

- Scripts tab
- Blocks are grouped by functionality
- Colours indicate the type of block (for example: all *motion* blocks are blue)

Palettes and Panes

- Scripts Area
 - This is where blocks are placed to create *scripts*
 - Each Sprite has a different Scripts Area
- Sprites Pane
 - New sprite: 💠 / 亡 💿
 - Blue highlight = Sprite is selected

Palettes and Panes

— Costume Pane

- Also referred to as the *Costume* tab
- Each *Sprite* can have 1 or more *Costumes*

— Sounds Pane

- A list of audio clips for the *Sprite*
- Could be sound effects (for example: a dog barking) or background music

Stage

- Also referred to as the Canvas
- Has two buttons:
 - Green Flag
 - Stop Sign
- Has its own *Script* area
 - Blocks available to *Stage* differ to those available for *Sprites*

Toolbar

— There is a *Toolbar* at the top of the *Scratch* interface.



- A couple of examples that will be useful for this workshop:
 - File > Upload from your computer
 - Edit > Undelete

Summary

- In this presentation I have:
 - Introduced you to Scratch
 - Compared the Offline and Online versions of *Scratch*
 - Explained what the main parts of the Scratch homepage are
 - Briefly described the 3 types of *Scratch* accounts
 - Showed you the main parts of the *Scratch* interface
- Any questions?