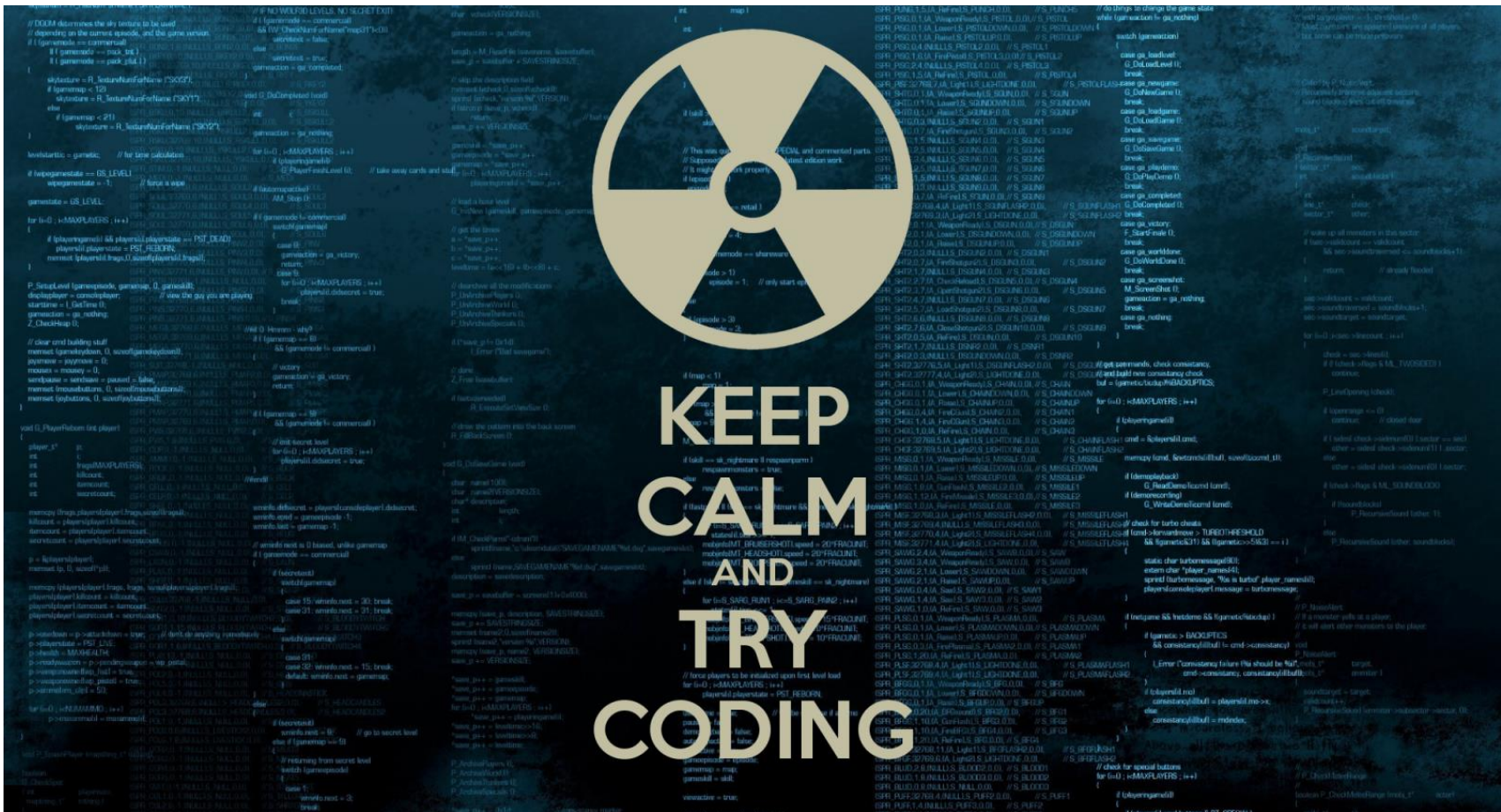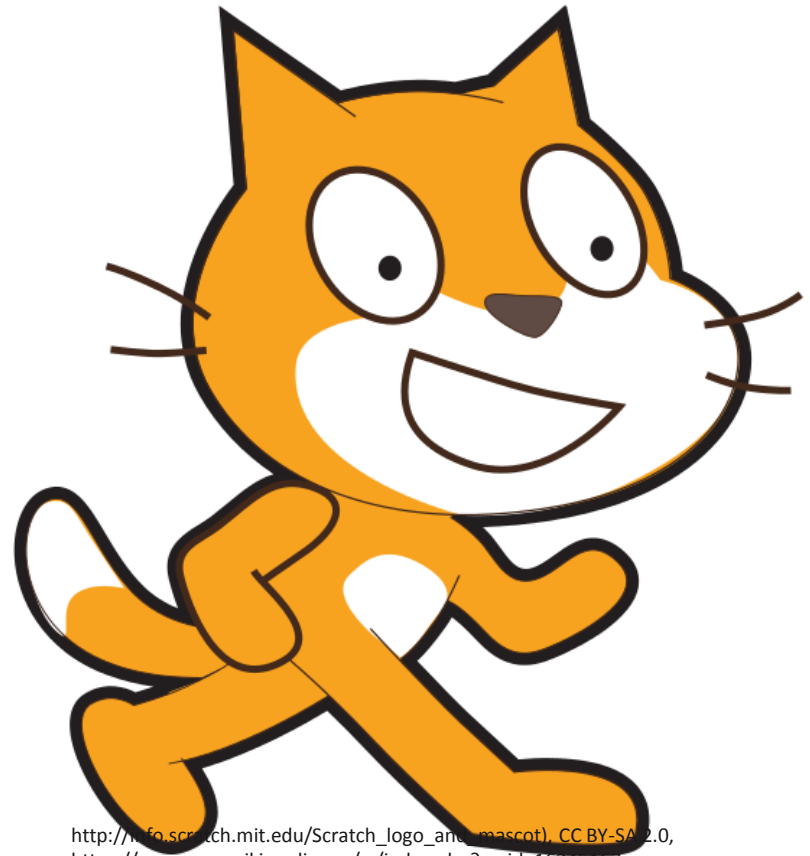# Scratch The Surface of Coding

Summary

- 12-13 year old Junior Contest goals
- Scratch How-To
- Scratch Demonstration
- Scratch Walkthrough
- Presentation Tips and Tricks
- X-Drive

Computer Contest - Scratch

- Scratch is a visual programming language
- Scratch was developed by M.I.T.
- Created to help youth learn to program
- https://scratch.mit.edu/

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Computer Contest – Scratch (Cont.)

- Create a digital story before competition using Scratch

- Topic of story must be ocean related

- Email story two days before competition by 5 P.M.

- Prepare to discuss method, code, and ideas
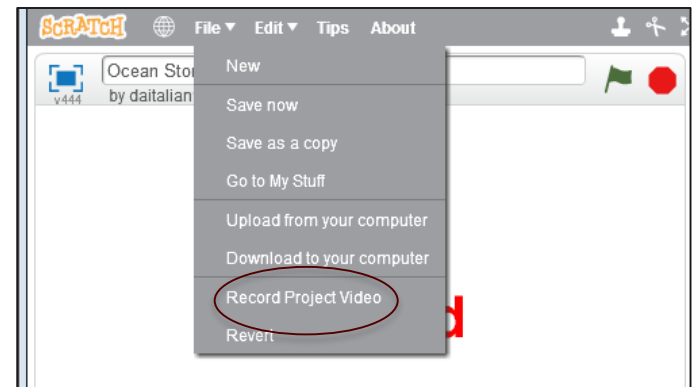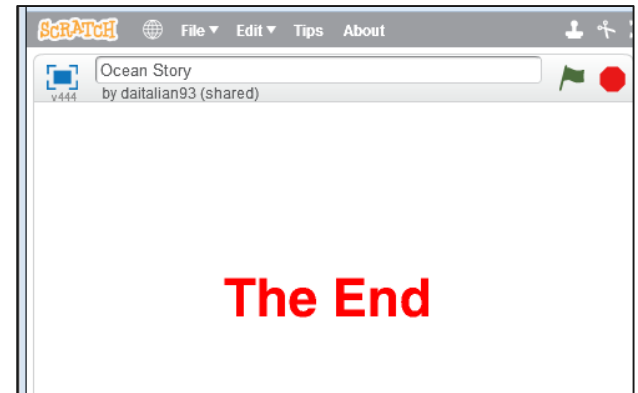
Presentation Contest

- Prepare a 3-5 minute presentation on your story

- Explain debugging and testing, sprites, paths, etc.

- Include story in presentation

- Follow provided rubric to ensure success

- See example presentation in X-Drive

Download Scratch Story

- Two ways to download a Scratch story

- Record story and save to computer

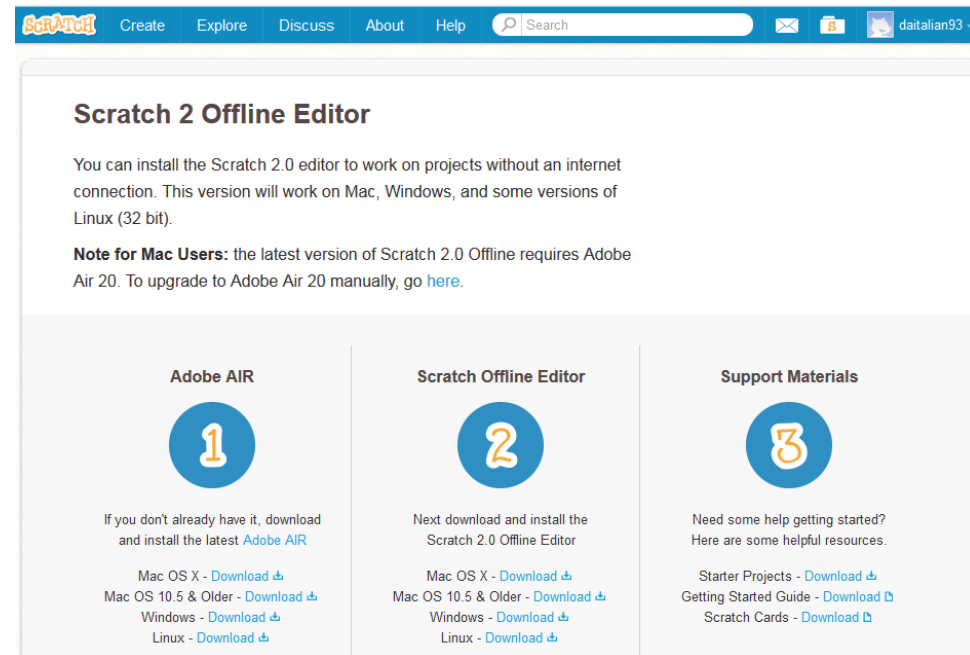- Download offline Scratch software and Scratch story

Record Scratch

- Open story in Scratch

- Navigate cursor to the "File" tab

- In the dropdown menu, click "Record Project Video"

- Records a 60 seconds video of story

Download Scratch

- Go to Scratch Home page

- Click on "Help"

- Click on "Scratch 2 Offline Editor"

- Follow instructions

- Save story as a Scratch document

Q & A Interview

- Contestants will be interviewed after their presentations.
- They will be asked a variety of questions
- Ex. "What is a sprite?"
- Ex. "What is debugging?"
- Ex. "What is a loop?"

Scratch

Scratch Account

- You will need an email address

- Open Browser

- Search for "Scratch"

- Select "Join Scratch"

- Follow Instructions
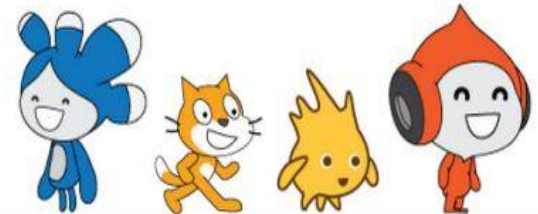
http://wiki.mistrzowiekodowania.pl/index.php?title=Introduction_1_-_Using_a_Scratch_account

Scratch Tutorial - Walkthrough

- https://scratch.mit.edu/

- https://scratch.mit.edu/projects/98388232/

Summary

- Competition Rules

- Presentations

- Interview Q & A

- Scratch Walkthrough

Sources

- Scratch - https://scratch.mit.edu/
- Google Images
- MSU 4-H Robotics- http://4hrobotics.msucares.com/

Questions?

DO NOT FORGET!!!!!

Your agent has been given materials to help you prepare for these contests, including the presentation. Please take advantage of these materials.

Hands-On-Activity

- https://scratch.mit.edu/

Contacts

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