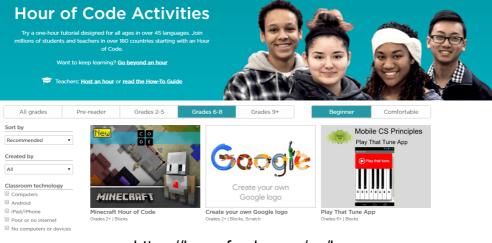
Computational Thinking...

- you are already doing it!

- problem solving...taking a big idea and breaking it down.
- IS NOT CODING...coding is a way to demonstrate computational thinking.

- Programming (CODING): taking a solution and breaking it down into steps so simple that even a computer can do it!

Let's do an Hour of Code Activities...



https://hourofcode.com/ca/learn





MSTE 6 - Hour of Code.docx



Class Activity...Ping Pong Rescue

- **Objective** write a program that instructs a student, who is blind folded, to pick up a ping pong ball
- **Need** A blind folded Robot and a person who calls out the commands
- To Do...
 - > With the person blind folded...decide on a START/FINISH
 - > Insert a few obstacles
 - > Write the code
 - > TRY IT!

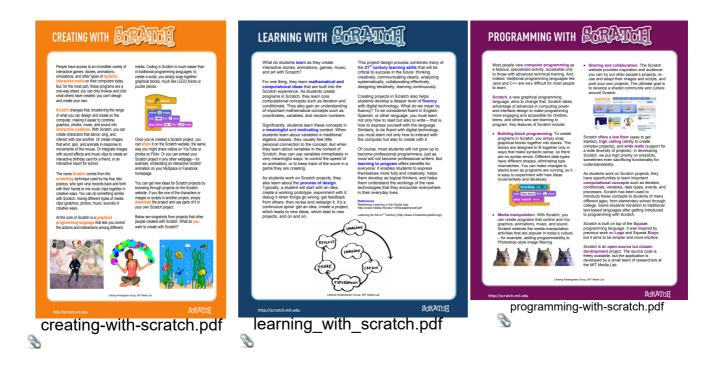
Introduction to SCRATCH...



5

Getting Started with SCRATCH...





First Program...

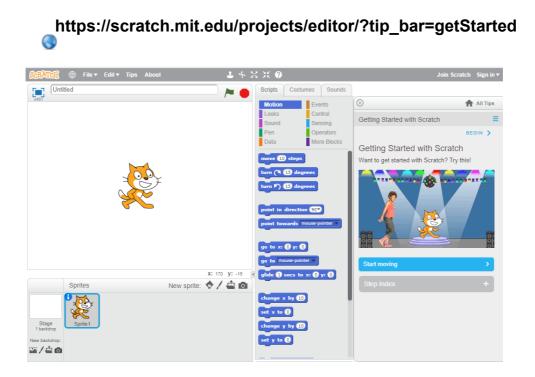


Scratch Intro Lesson.pdf

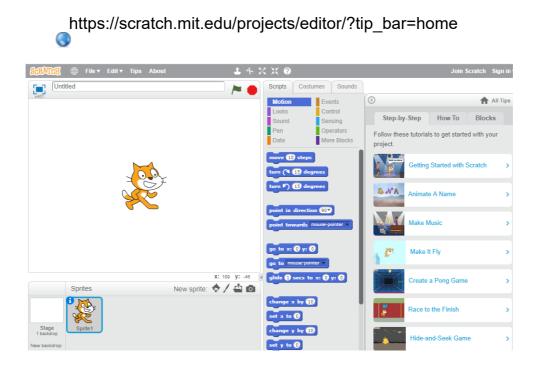


SCRATCH is a programming language that makes it easy to create your own interactive stories, games, and animations...and share your creations with others on the web.

ONLINE TUTORIAL...

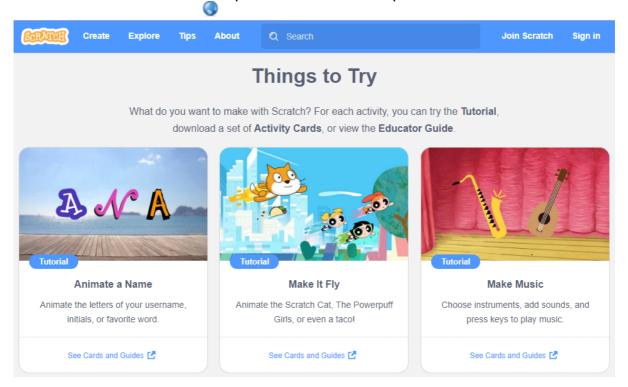


TIPS FEATURE...



ACTIVITIES TO TRY...

https://scratch.mit.edu/tips



STARTER PROJECTS...

SCRATCH Create	Explore Tip:	s About 🔎 Searc	h		Join Scratch	Sign
Starter Pro	jects					
Try out these starter pro	ojects from the So	cratch Team. Look inside	e to make changes and add	your ideas.		
Animation	Games	Interactive Art	Music and Dance	Stories	Video Sensin	g
Animation						
Animation	•				Harry	
Animation	••				Happy Birthday!	
Animation		6				
Animation	•					

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