

LUNCH TIME TECH CLUB ACTIVITIES

Scratch



Sessional Workshop Activities

Activity Number	Target Audience	Name and Description of Activity	Resources	Links
1.	Grade Levels: 2-4 Age Range: 7-10 year olds	Animate Your Name Using the letters available via the Scratch platform, code the letters to change colour, shape and size.	<ul style="list-style-type: none">Scratch Project Cards	https://scratch.mit.edu/projects/editor/?tip_bar=name https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 1-16)
2.	Grade Levels: 2-4 Age Range: 7-10 year olds	Say Something Learn to code the sprite to say something	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 19-20 & 35-36)
3.	Grade Levels: 2-4 Age Range: 7-10 year olds	I Like To Move It Move Learn to move objects around the screen – randomly, right to left, up and down and glide	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 21-26 & 29-30)
4.	Grade Levels: 2-4 Age Range: 7-10 year olds	Change Grow and shrink objects, change the colour or objects, change the background	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 27-28, 31-31, 33-34)
5.	Grade Levels: 2-4 Age Range: 7-10 year olds	Come Get Me Create a game that chases an object and once obtained, gain points and move up levels.	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 37-52)

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6.	Grade Levels: 2-4 Age Range: 7-10 year olds	Rock Band Code different music instructions to create a rock band.	<ul style="list-style-type: none">Scratch Project Cards	https://codeclubprojects.org/en-GB/scratch/rock-band/ https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 53-72)
7.	Grade Levels: 2-4 Age Range: 7-10 year olds	Create an Animation Learn about the different elements to code to create an animation.	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 73-90)
8.	Grade Levels: 3-6 Age Range: 7-12 year olds	Video Motion Use a video sensor function to create different animations look like they are coming to life when you touch them (pet a virtual cat and it meows, pop a virtual balloon)	<ul style="list-style-type: none">Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 193-206)
9.	Grade Levels: 3-6 Age Range: 7-12 year olds	I Like To Be Under The Sea Create a moving underwater scene. With moving fish.	N/A	http://scratch.ie/sites/all/themes/scratch_theme/resources/PrimaryLessonPlans3_0/Lesson1V3.pdf
10.	Grade Levels: 3-6 Age Range: 7-12 year olds	Boat Race Learn how to make a game, in which you'll use the mouse to navigate a boat to a desert island	N/A	https://codeclubprojects.org/en-GB/scratch/boat-race/

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11.	Grade Levels: 3-6 Age Range: 7-12 year olds	Match Maker Create a game that will match the dots to their colour.	N/A	https://codeclubprojects.org/en-GB/scratch/catch-the-dots/
12.	Grade Levels: 3-6 Age Range: 7-12 year olds	Memory Game Create a memory game where you have to memorise and repeat a sequence of random colours!	N/A	https://codeclubprojects.org/en-GB/scratch/memory/
13.	Grade Levels: 3-6 Age Range: 7-12 year olds	Chat Bot Program your very own robot (introduction to AI)	N/A	https://codeclubprojects.org/en-GB/scratch/chatbot/
14.	Grade Levels: 3-6 Age Range: 7-12 year olds	Create your own World Create an adventure game – create a maze and collect the coins	N/A	https://codeclubprojects.org/en-GB/scratch/create-your-own-world/
15.	Grade Levels: 3-6 Age Range: 7-12 year olds	Ghost Busters Code a game to catch those pesky ghosts.	N/A	https://codeclubprojects.org/en-GB/scratch/ghostbusters/

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Project Based Activities

Activity Number	Target Audience	Name and Description of Activity	Resources	Links
1.	Grade Levels: 2-4 Age Range: 7-10 year olds	Create A Story Use all the skills from 'Create An Animation' to build an animation story.	<ul style="list-style-type: none">• Design Storyboard• Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 91-110)
2.	Grade Levels: 2-4 Age Range: 7-10 year olds	Pong Create a game to shoot and score	<ul style="list-style-type: none">• Design Storyboard• Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 111-124)
3.	Grade Levels: 2-4 Age Range: 7-10 year olds	Dance Dance Create a dance video of yourself	<ul style="list-style-type: none">• Design Storyboard• Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 124-144)
4.	Grade Levels: 2-4 Age Range: 7-10 year olds	Jumping Game Design a game that gets characters to jump over objects.	<ul style="list-style-type: none">• Design Storyboard• Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 145-160)
5.	Grade Levels: 2-4 Age Range: 7-10 year olds	Virtual Pet Create a virtual that will be given water, make it grow, and tell you when it is thirsty.	<ul style="list-style-type: none">• Design Storyboard• Scratch Project Cards	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 161-176)

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6.	Grade Levels: 2-4 Age Range: 7-10 year olds	Catch It – Don’t Drop It Create a game that makes you catch moving objects	<ul style="list-style-type: none"> • Design Storyboard • Scratch Project Cards 	https://resources.scratch.mit.edu/www/cards/en/scratch-cards-all.pdf (pgs. 177-192)
7.	Grade Levels: 3- 4 introduction to creating projects Age Range: 8-10 year olds	Tour D’ACS Create a virtual tour of the ACS Innovation Hub	<ul style="list-style-type: none"> • Design Storyboard • Preprogramming cards • Flowchart • Device to capture photos 	https://scratch.mit.edu/projects/10000769
8.	Grade Levels: 3-4 introduction to creating projects Age Range: 8-10 years old	Wish Someone Well Create your own interactive card.	<ul style="list-style-type: none"> • Design Storyboard • Preprogramming cards 	https://scratch.mit.edu/studios/279432/
9.	Grade Levels: 5 and 6 Age Range: 10-12 year olds	Let Me Entertain You Create your own Game	<ul style="list-style-type: none"> • Design Storyboard • Preprogramming cards • Flowchart 	https://www.programmingbasics.org/en/downloads/scratchgames/ http://scratched.gse.harvard.edu/sites/default/files/make_a_game_in_scratch_0.pdf
10	Grade Levels: 5 and 6 Age Range: 10-12 year olds	Tell me the Future Design and create your own Magic 8 Ball	<ul style="list-style-type: none"> • Story Design Board • Preprogramming Cards • Flowchart 	https://scratch.mit.edu/projects/5705/ http://docs.wixstatic.com/ugd/02eb1d_75b949ca382941f0be206f56852b95f5.pdf