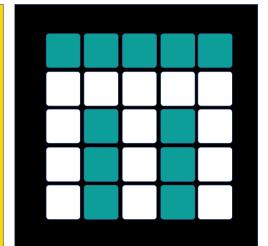
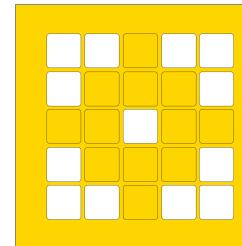


PRIME LESSONS

By the Makers of EV3Lessons



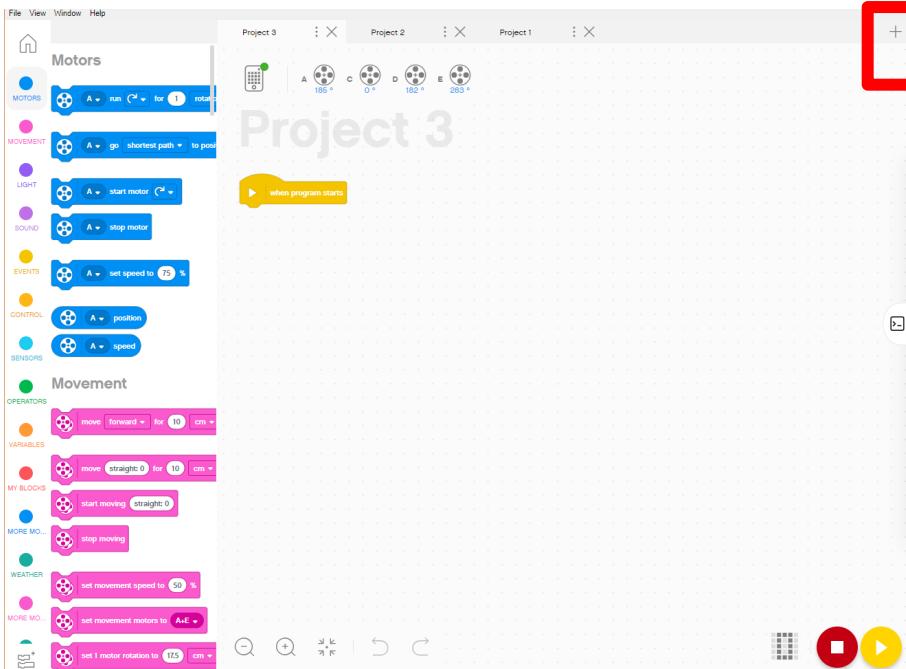
MANAGING PROJECTS

BY SANJAY AND ARVIND SESHAN

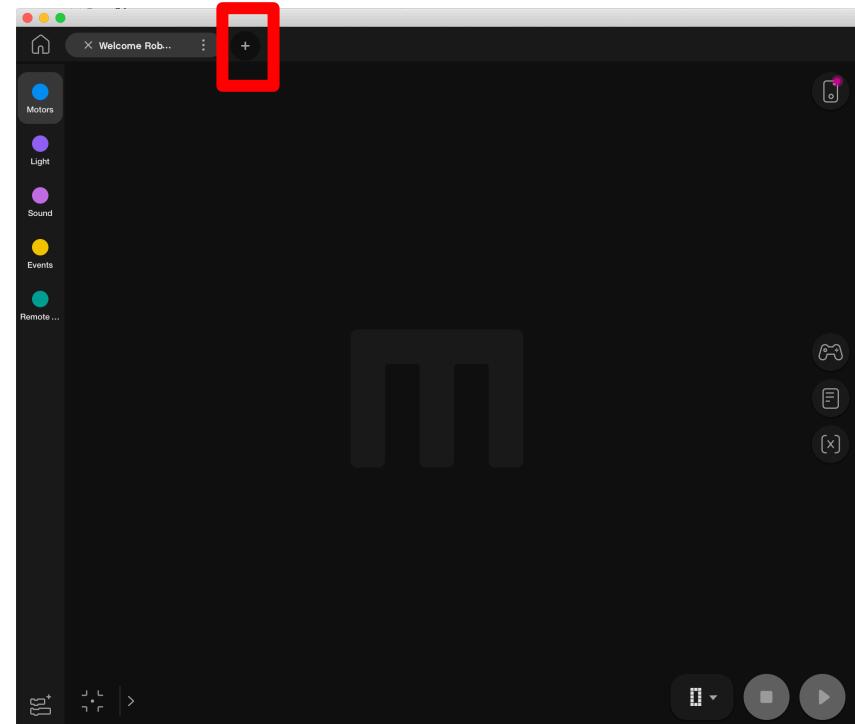
LESSON OBJECTIVES

- Learn how to create and name projects
- Learn how to duplicate and delete projects
- Learn how to copy code across projects
- Learn how to order your projects on your Hub
- Learn how to share project files

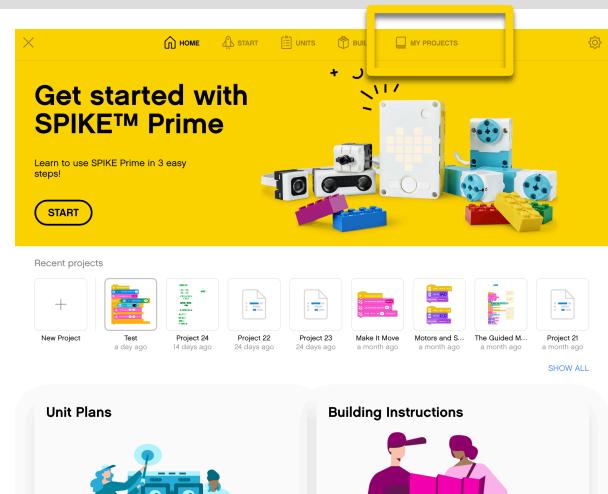
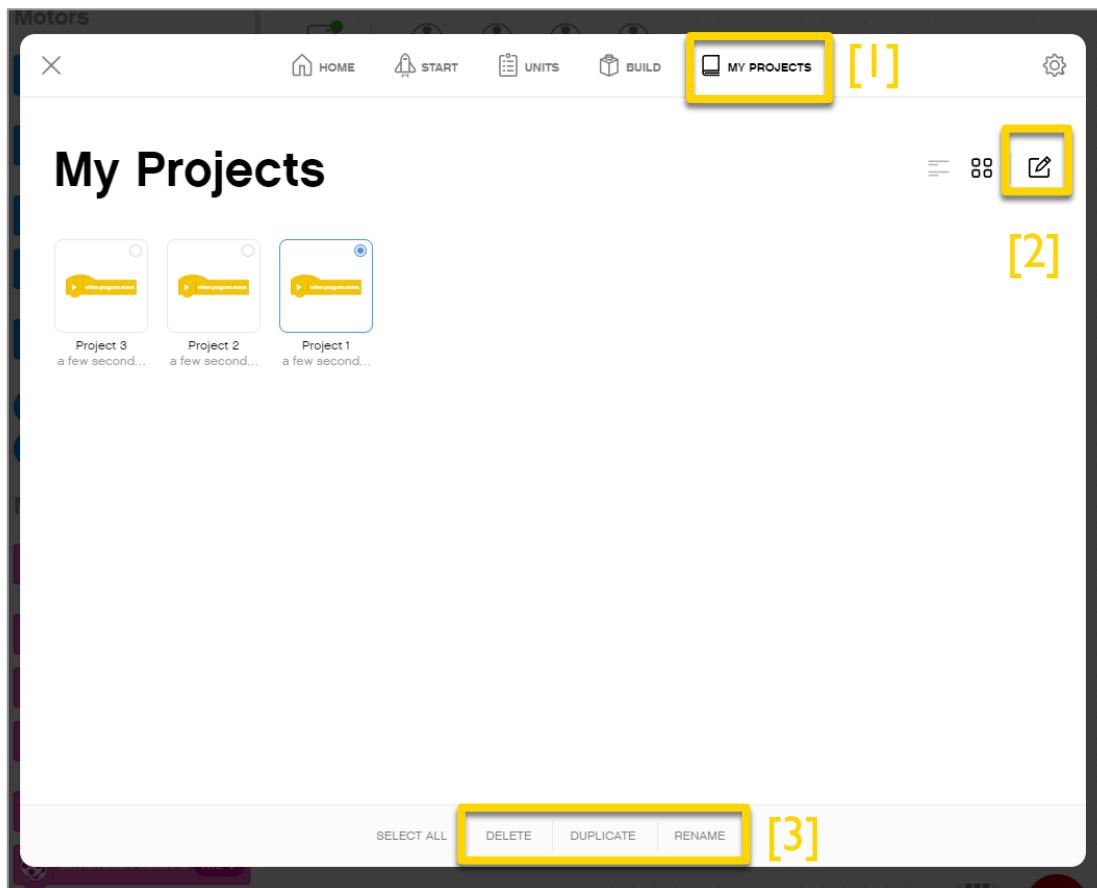
CREATE PROJECTS



- To create a new project, click on the + sign in either SPIKE Prime or Robot Inventor

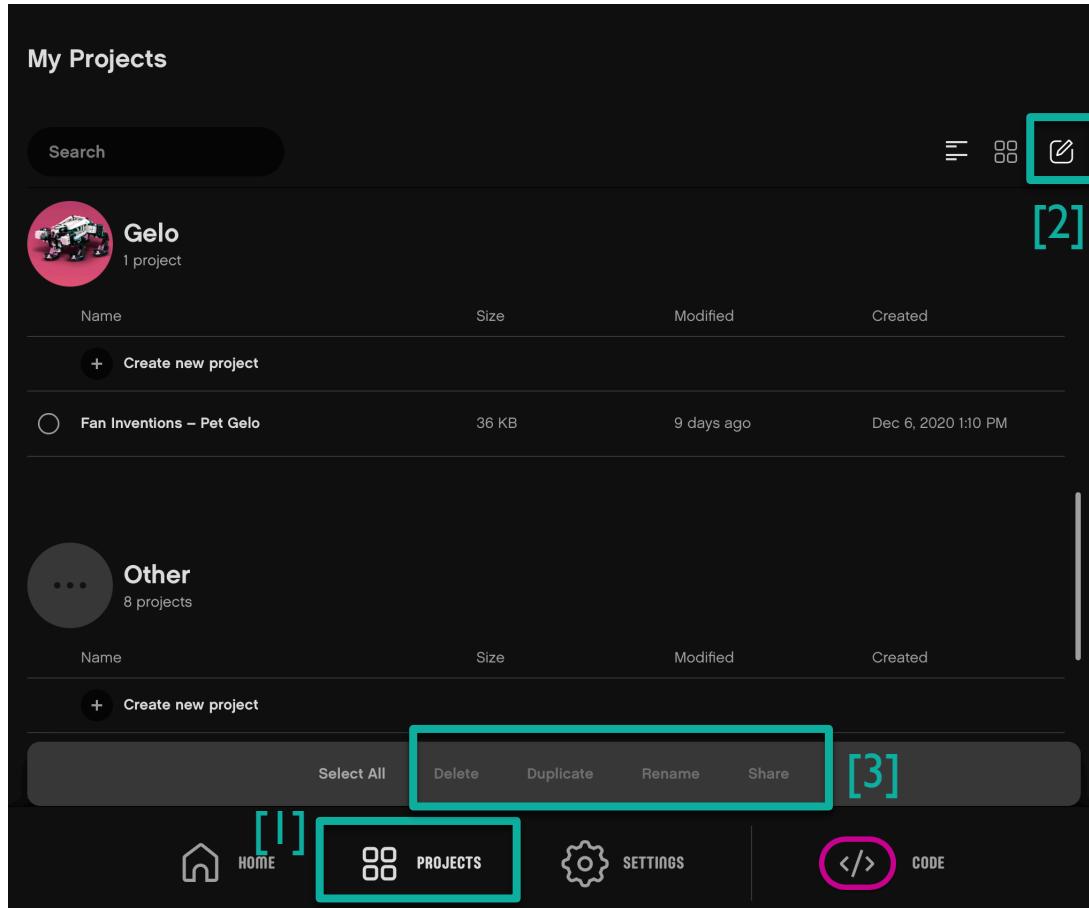


DELETE, DUPLICATE, RENAME IN SPIKE PRIME



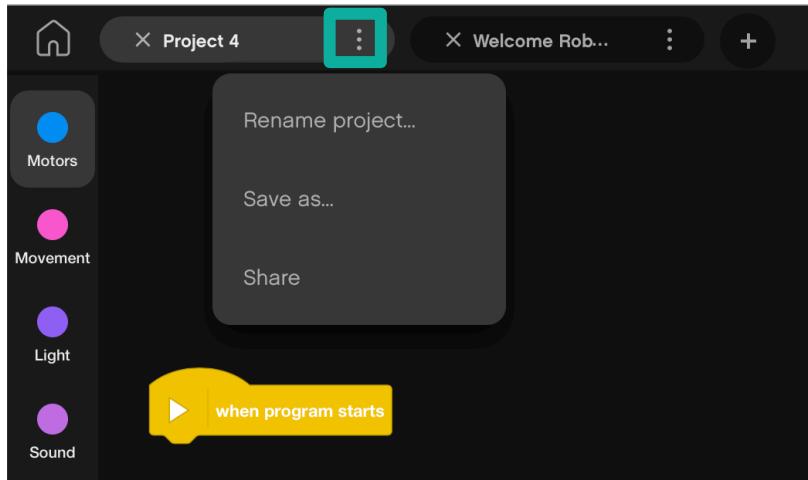
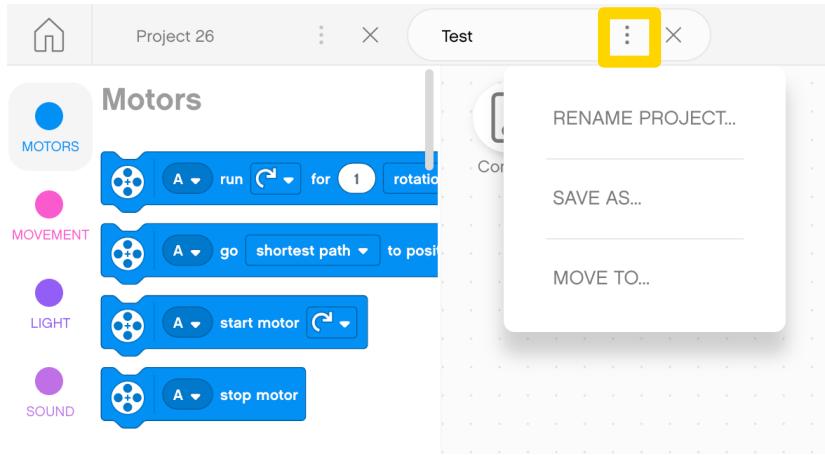
- Click on “My Projects” to view a list of the projects you have made.
- To edit an existing project click on the edit icon [2] and then select the project you want to modify. Select the desired action (delete/duplicate/rename) [3].

DELETE, DUPLICATE, RENAME IN ROBOT INVENTOR

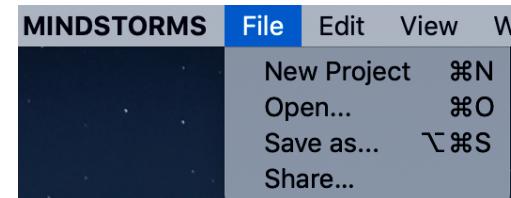
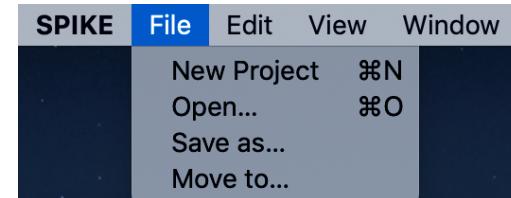


- Clicking on “My Projects” at the bottom of the Home page shows a list of the projects you have made. [1]
- To edit an existing project click on the edit icon [2] and then select the project you want to modify. Select the desired action (delete/duplicate/rename/share) [3].

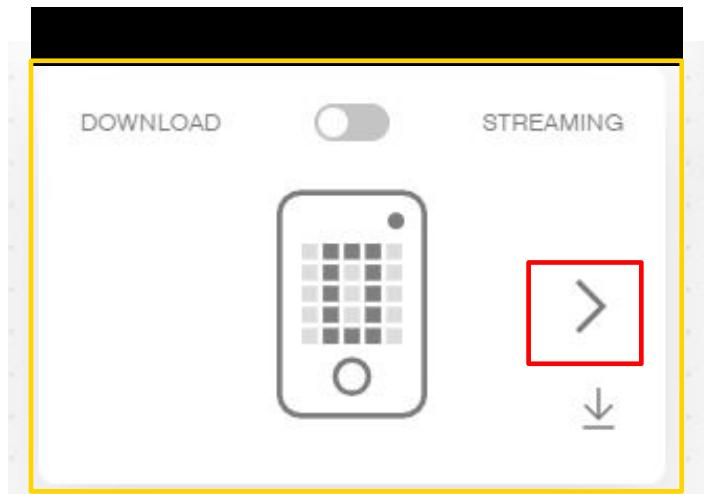
ANOTHER WAY TO RENAME PROJECTS



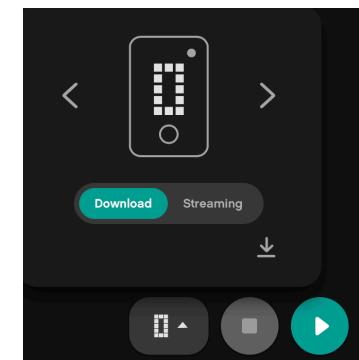
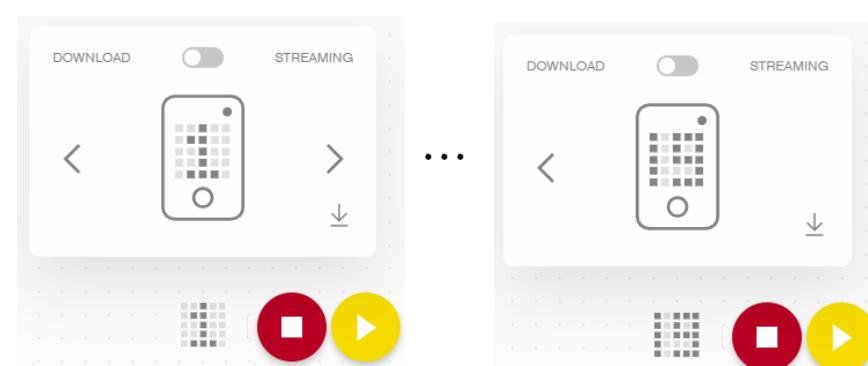
- The three dots (...) next to the Project name in both SPIKE Prime and Robot Inventor lets you rename projects and also save them to a different location
- Note: Robot Inventor lets you also share projects this way
- Some of these options are available from the App menu as well



ORDERING PROJECTS ON THE HUB



- The Download/Run Icon lets you pick the mode to download
- This is also where you can select what “slot” on the Hub you want your project to be saved in
- Use the arrow to change the number from 0 to any number between 0-19
- The Hub can store up to 20 programs
- This feature is available on both SPIKE Prime and Robot Inventor

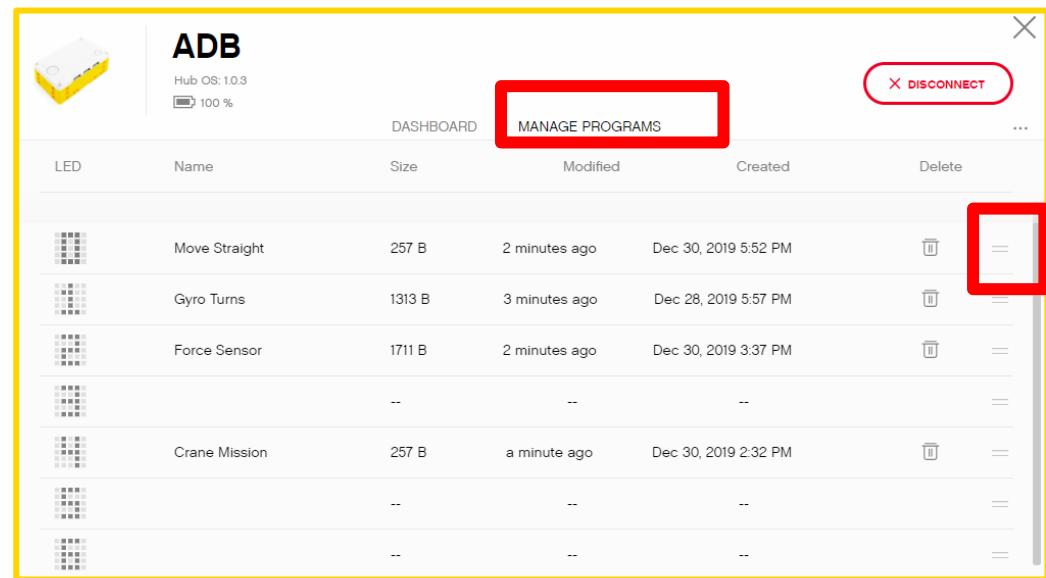


CHANGING THE ORDER OF PROJECTS (SPIKE PRIME)

Step 1: Click on the Hub icon



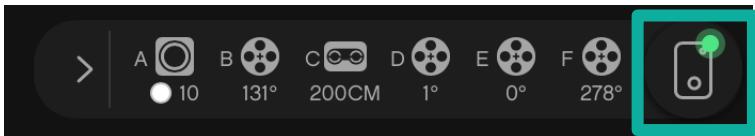
Step 2: Click on “Manage Programs”



Step 3: Click on the two bars icon (=) in each row to drag the program to a new position. Use the trashcan icon to delete

CHANGING THE ORDER OF PROJECTS (ROBOT INVENTOR)

Step 1: Click on the Hub icon

A screenshot of the LEGO Hub's "Programs" tab. The title bar says "LEGO Hub Hub OS: 2.1.4.13 20 %". Below it are tabs for "Hardware" and "Programs", with "Programs" being active. The main area shows a table with three rows:

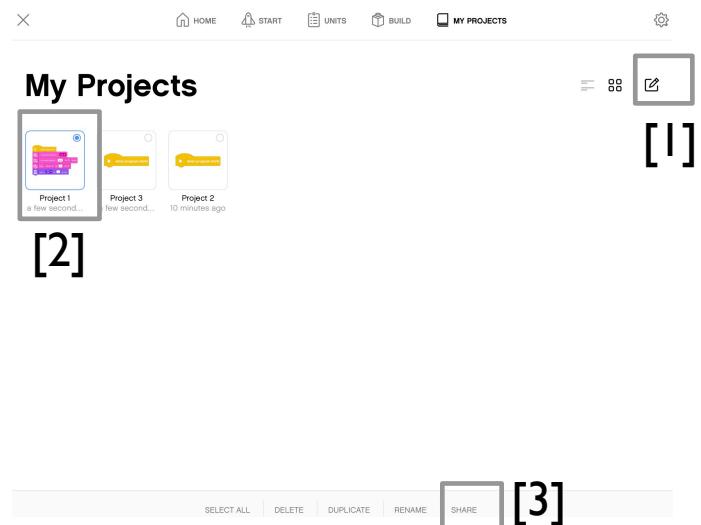
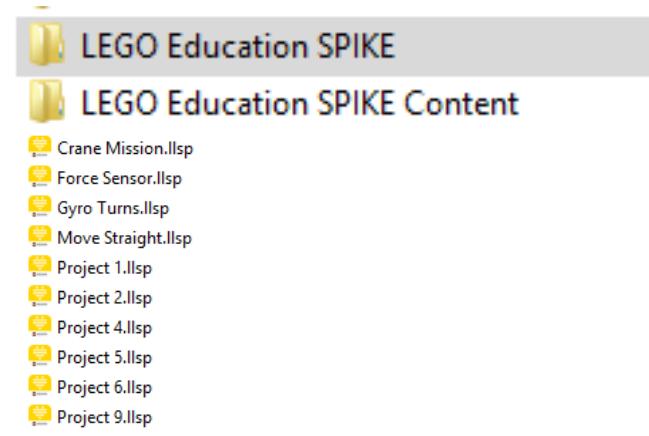
LED	Name	Size	Modified	Created	Delete
0	Project 1	642 B	11/12/2020	11/12/2020	
1	Project 2	821 B	10/21/2020	10/21/2020	
2	Time to move 4	3 kB	10/03/2020	10/03/2020	
3		--	--	--	

Step 3: Click on the two bars icon (=) in each row to drag the program to a new position. Use the trashcan icon to delete

Step 2: Click on “Programs”

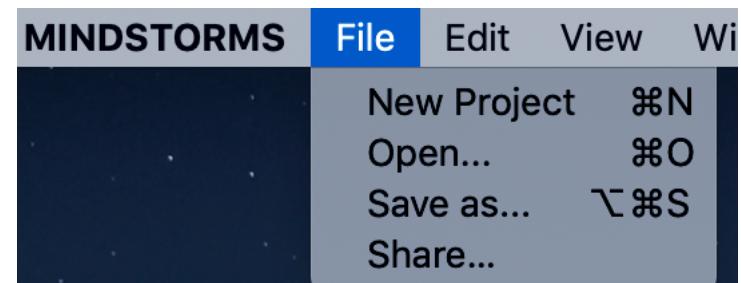
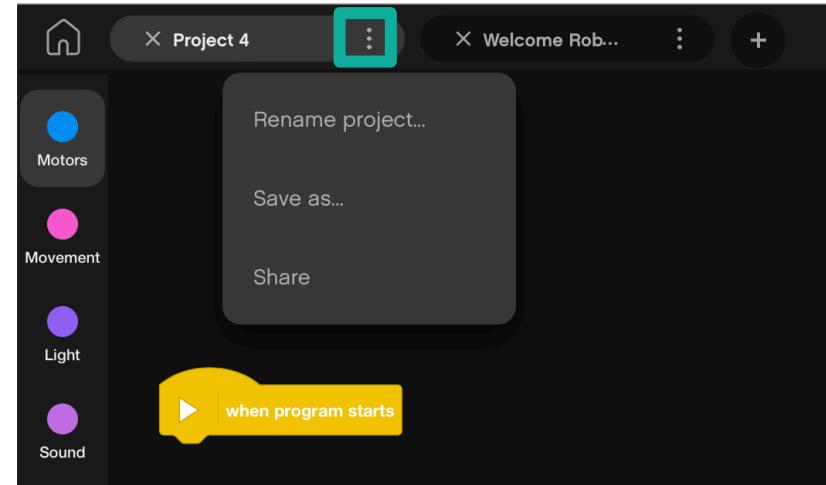
SHARING PROJECTS IN SPIKE PRIME

- SPIKE Prime files have a .llsp extension.
 - You can find all the files saved in your My Documents folder inside a folder called LEGO Education SPIKE Prime
 - You can email or share these files with anyone
 - Projects do auto-save, however, it is good practice to backup your project files
-
- In the iOS App version, go to My Projects.
 - Click on the Edit Icon [1]
 - Pick the Project you want to share [2]
 - Select Share from the bottom menu [3]



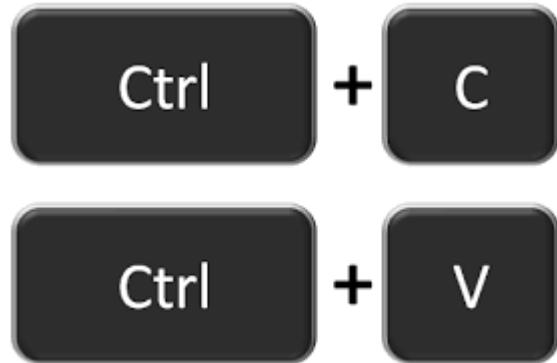
SHARING PROJECTS IN ROBOT INVENTOR

- Robot inventor files have an .lms extension
- Projects auto-save. However, if you want to change the name and location of the saved file, you can do so using the three dots next to the Project name.
- Sharing projects in Robot Inventor is very easy. The three dots next to the Project name has a Share button
- You can access these same features also from the menu



COPYING CODE BETWEEN PROJECTS IN SPIKE PRIME

- Click on the program stack you wish to copy to another project
- Hit CTRL-C to Copy the stack (⌘ Command-C on Mac OS X)
- Go to the other project file and hit CTRL-V (PASTE) (⌘ Command-V on Mac OS X)
- Unfortunately, using COPY-PASTE across projects does not work in Robot Inventor as of December 2020



CREDITS

- This lesson was created by Sanjay Seshan and Arvind Seshan for Prime Lessons
- More lessons are available at www.primelessons.org



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