Interactions



Go to the Scratch at https://scratch.mit.edu/

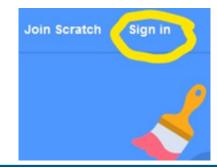
https://scratch.mit.edu

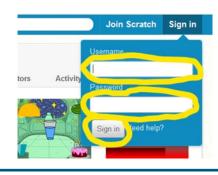
https://scratch.mit.edu



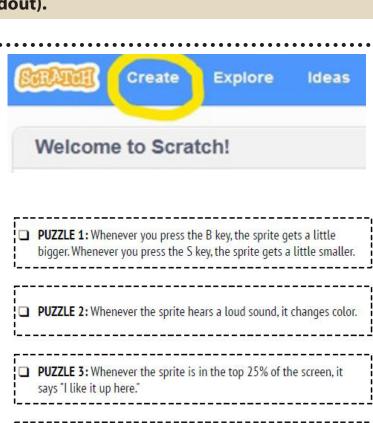
Sign into your account.







Tap "Create" to create a Scratch program for one of the following nine interactive puzzles (Puzzle #5 will be completed in this handout).

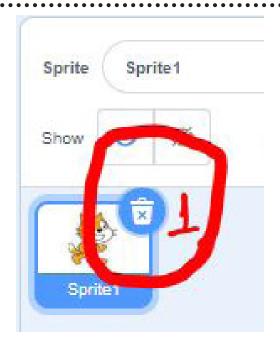


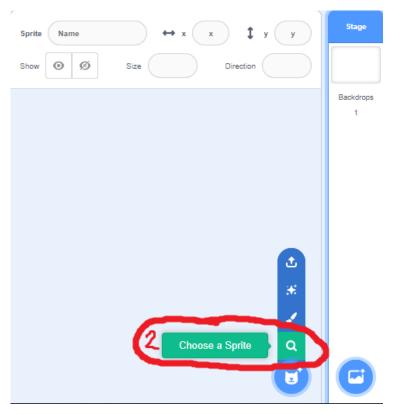
- PUZZLE 4: When the sprite touches something blue, it plays a high note. When it touches something red, it plays a low note.
- PUZZLE 5: Whenever two sprites collide, one of them says: "Excuse me."
- PUZZLE 6: Whenever the cat sprite gets near the dog sprite, the dog turns and runs from the cat.
- PUZZLE 7: Whenever you click on the background, a flower appears at that spot.
- PUZZLE 8: Whenever you click on a sprite, all other sprites do a dance.
- PUZZLE 9: Whenever you move the mouse-pointer, the sprite follows but doesn't touch the mouse-pointer.

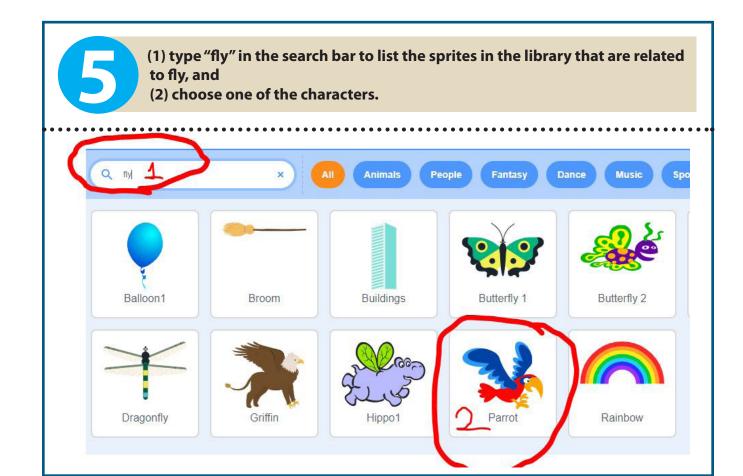


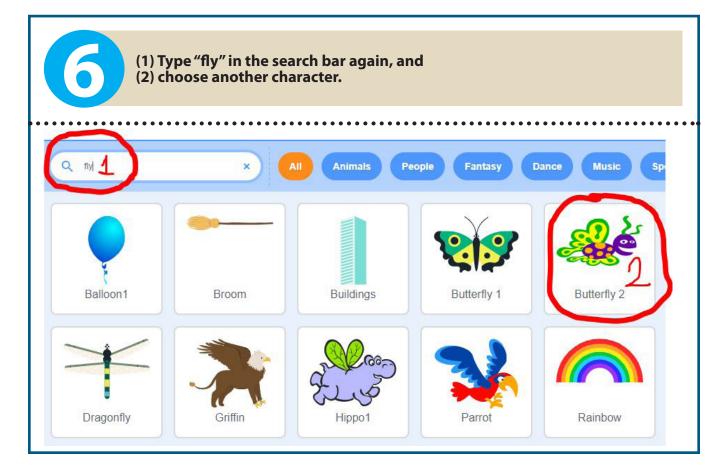
(1) Tap on the trash icon on the top right corner of Sprite1 to delete Sprite1, and

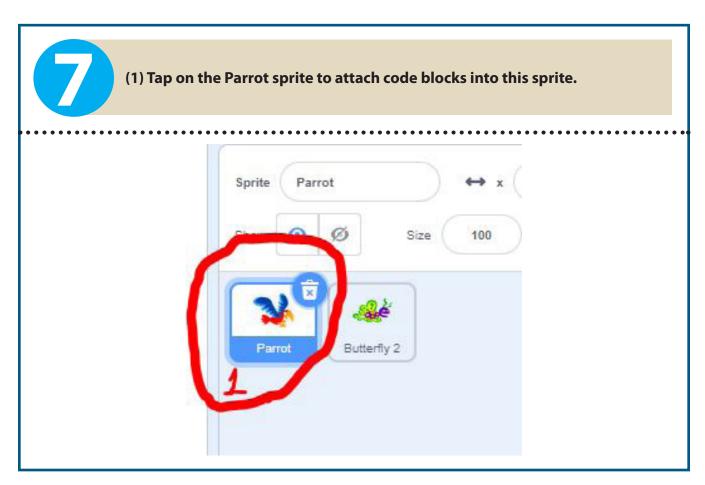
(2) go over the "Choose a Sprite" icon on the bottom right corner of the Sprite panel to choose a new sprite.

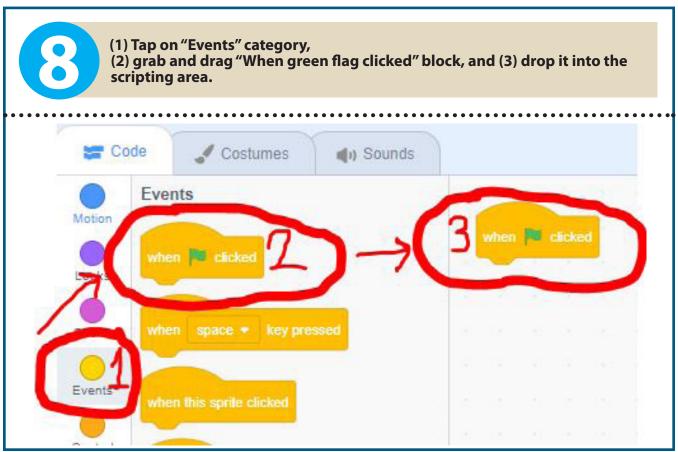


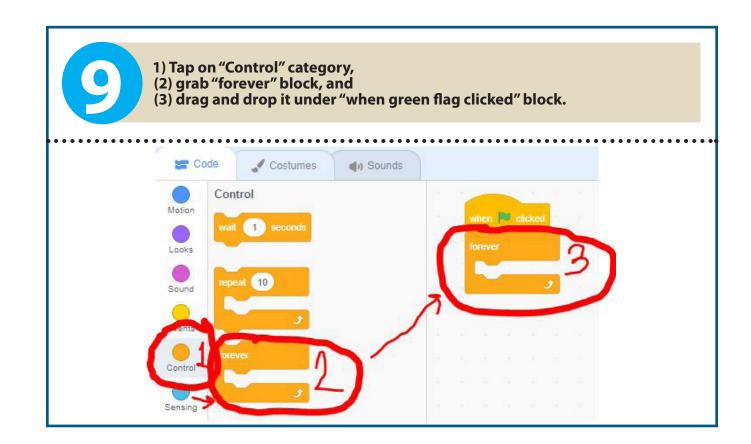


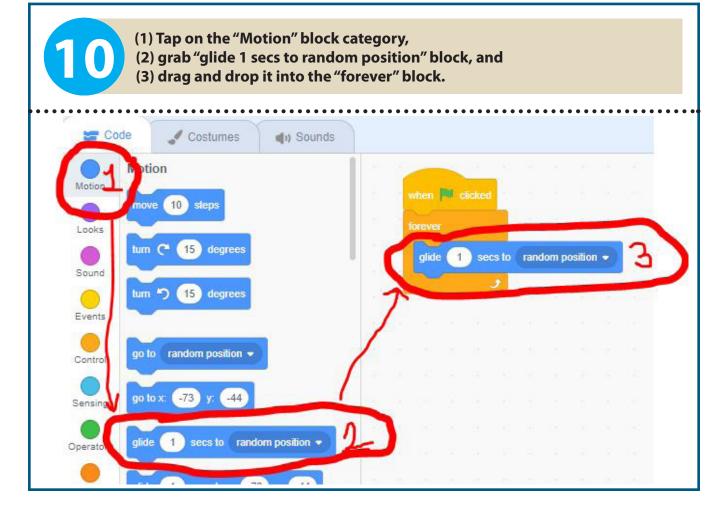


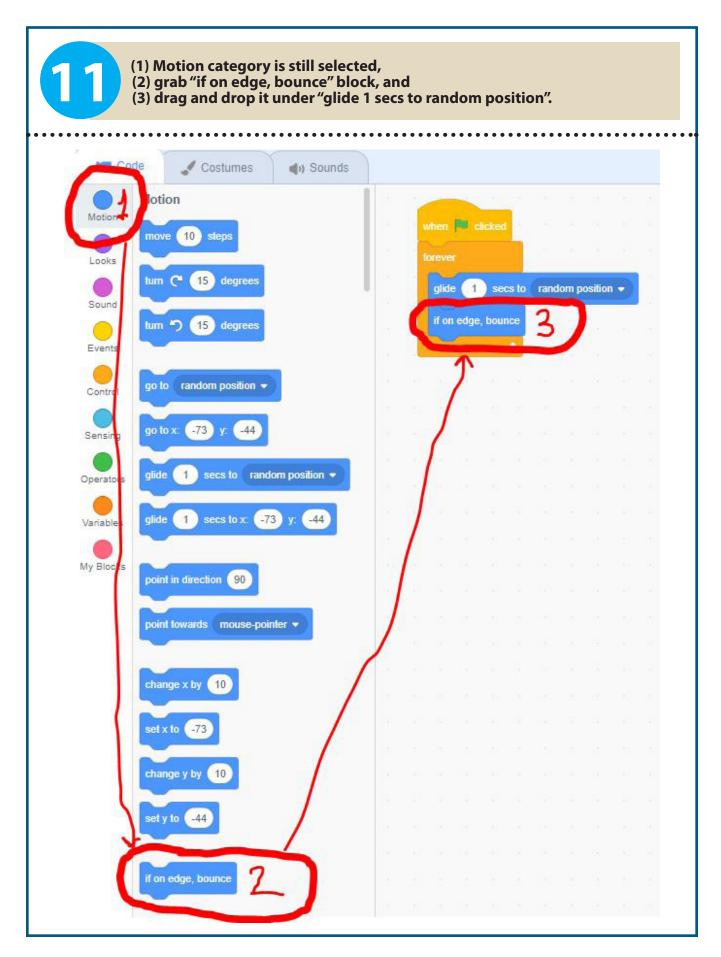


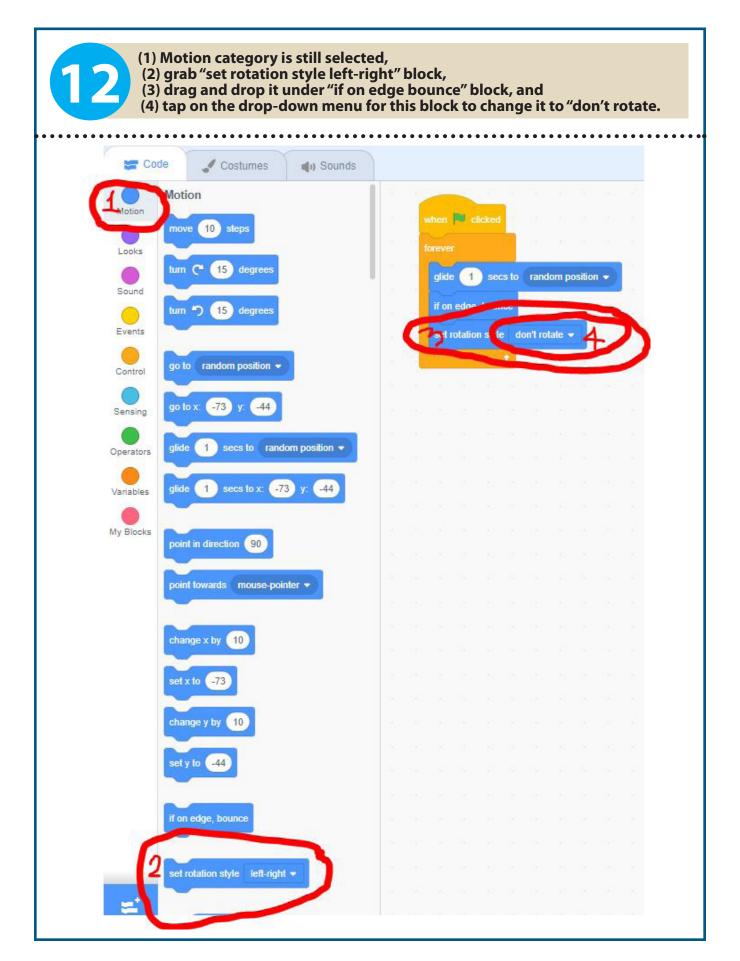


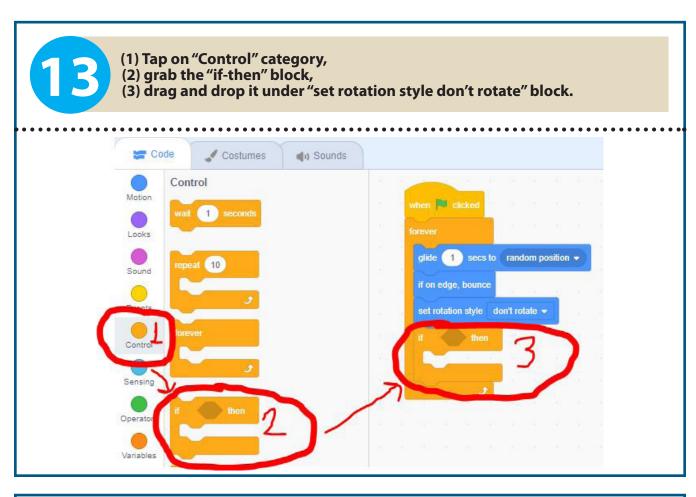


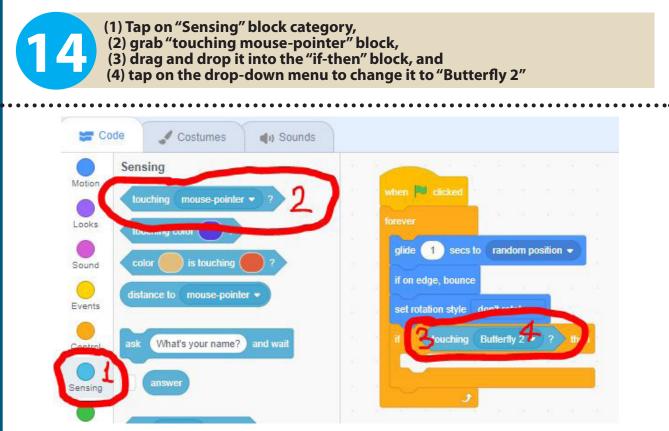


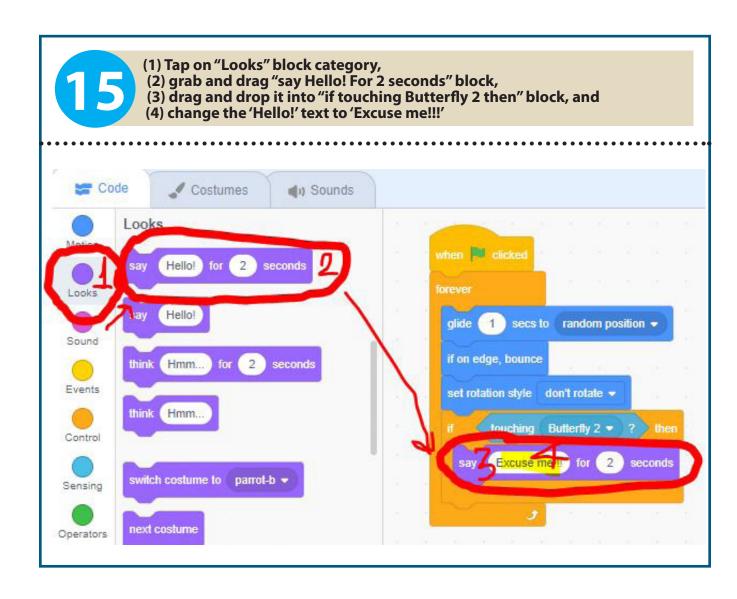








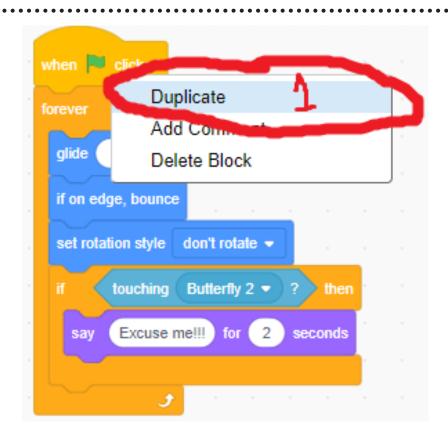




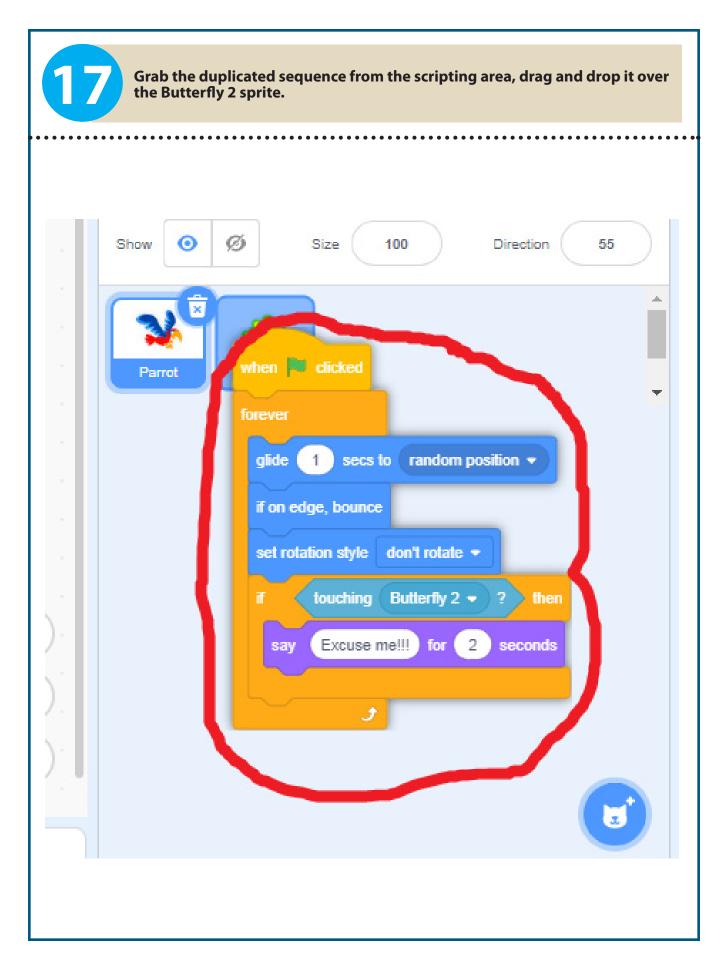
10 Interactions Handout: Unit 4 / Session 5 Interactions Handout: Unit 4 / Session 5



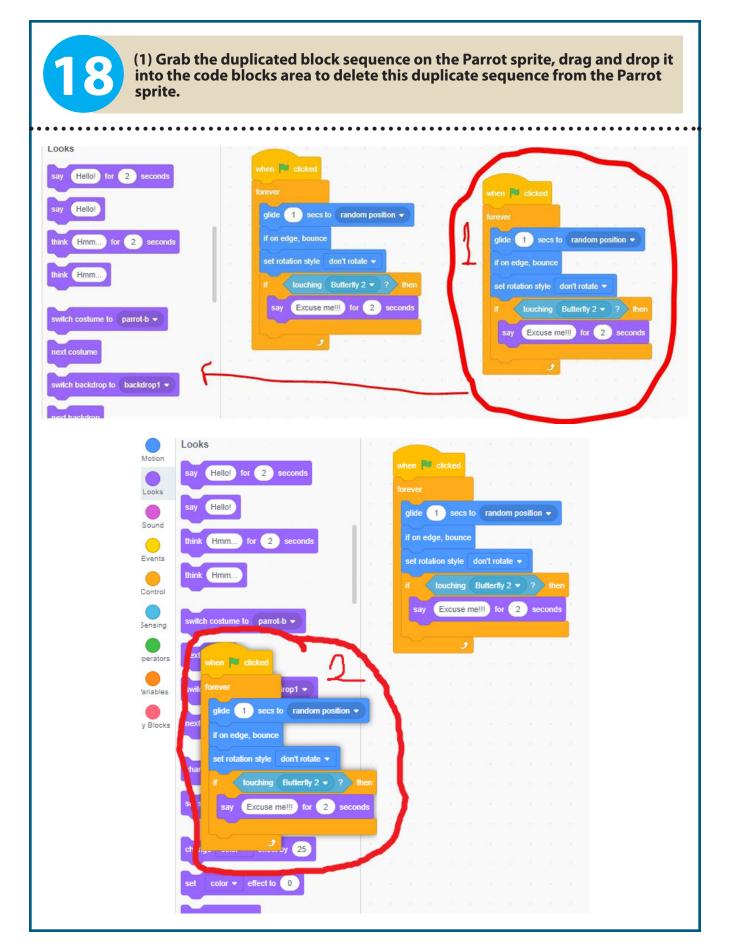
(1) Go over "when green flag clicked" block, right click, choose Duplicate,(2) and go somewhere empty on the scripting area and tap/click to put the duplicate block-sequence into this spot.







12 Interactions Handout: Unit 4 / Session 5 Interactions Handout: Unit 4 / Session 5



(1) Tap on "Butterfly 2" to select this sprite,

(2) tap on Costumes tab to see the 2 Costumes for this sprite,

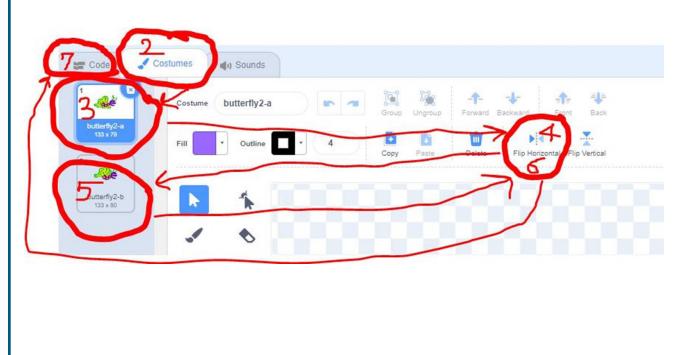
(3) select the first costume,

(4) tap on "Flip Horizontal" to flip the first costume horizontally,

(5) tap on the second costume for this sprite to select, and

(6) tap on "Flip Horizontal" to flip the second costume horizontally, and

(7) tap on "Code" tab to go back to the code blocks for this sprite.



14 Interactions Handout: Unit 4 / Session 5 Interactions Handout: Unit 4 / Session 5

