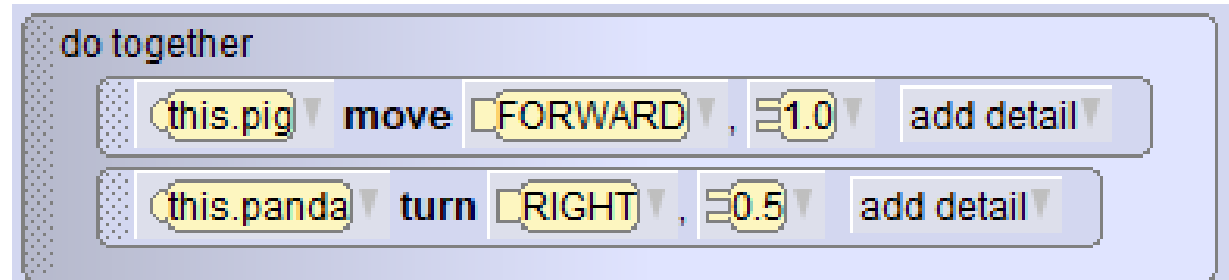


CompSci 94

Move/Turn/Roll Instructions

Do Together, Storyboards

August 31, 2021



Prof. Susan Rodger

Q1. Instructions

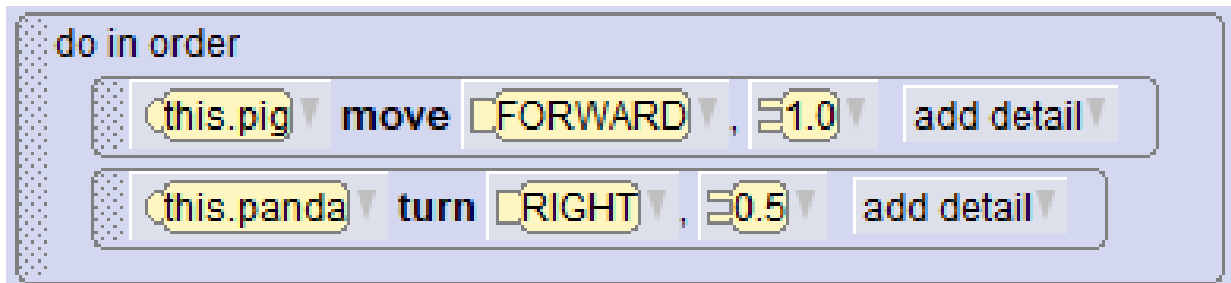
- Move – how many directions to move?
- Turn – how many ways?
- Roll – how many ways?

Q2. Object Parts

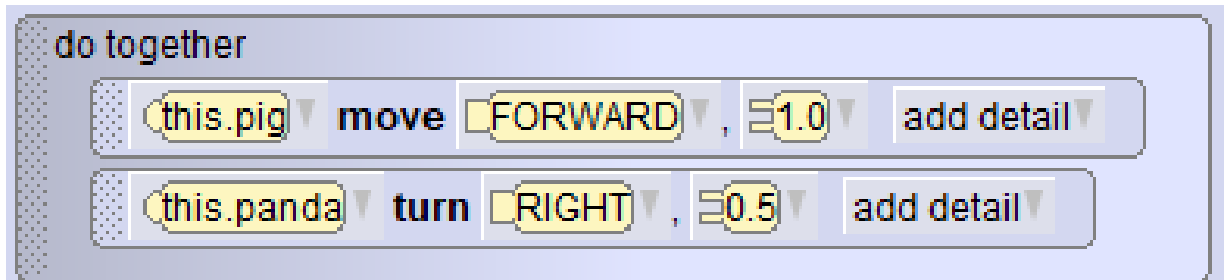
- Which instructions should you use with object parts? (turn, roll, move?)

Q3. DoInOrder vs DoTogether

- Is the final result of movements from these two code blocks the same?



A Scratch 'do in order' code block containing two lines of code. The first line is 'this.pig' followed by 'move FORWARD, 1.0' and 'add detail'. The second line is 'this.panda' followed by 'turn RIGHT, 0.5' and 'add detail'.



A Scratch 'do together' code block containing two lines of code. The first line is 'this.pig' followed by 'move FORWARD, 1.0' and 'add detail'. The second line is 'this.panda' followed by 'turn RIGHT, 0.5' and 'add detail'.

Q4. DoInOrder vs DoTogether - 2

- Is the final result of movements from these two code blocks the same?

The image shows two code blocks from a visual programming environment. The top block is titled "do in order" and contains two sequential blocks: "this.panda move FORWARD, 1.0 add detail" followed by "this.panda turn LEFT, 0.5 add detail". The bottom block is titled "do together" and contains two parallel blocks: "this.panda move FORWARD, 1.0 add detail" and "this.panda turn LEFT, 0.5 add detail".

do in order

- this.panda move FORWARD, 1.0 add detail
- this.panda turn LEFT, 0.5 add detail

do together

- this.panda move FORWARD, 1.0 add detail
- this.panda turn LEFT, 0.5 add detail

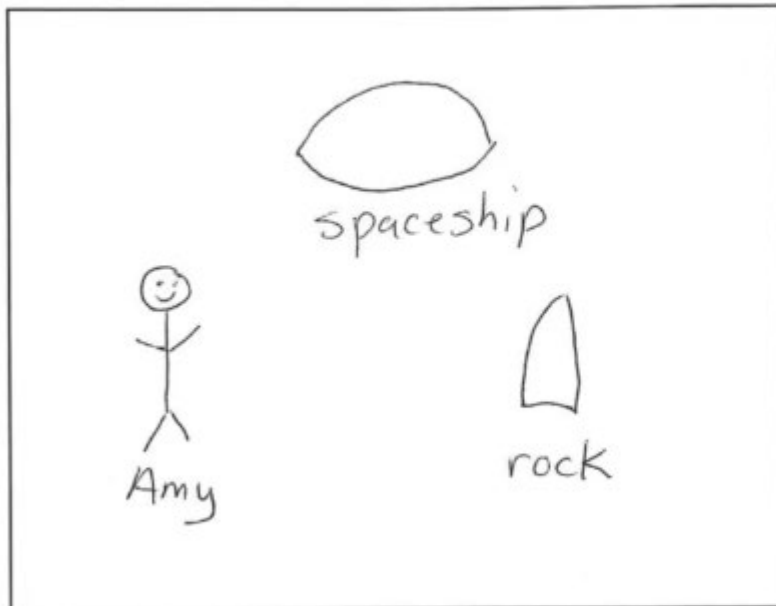
Q5. What goes into a Storyboard?

STOP HERE

Storyboards

- Series of sketches
- Simple sketches
- List of objects

Scene: 1



Initial scene

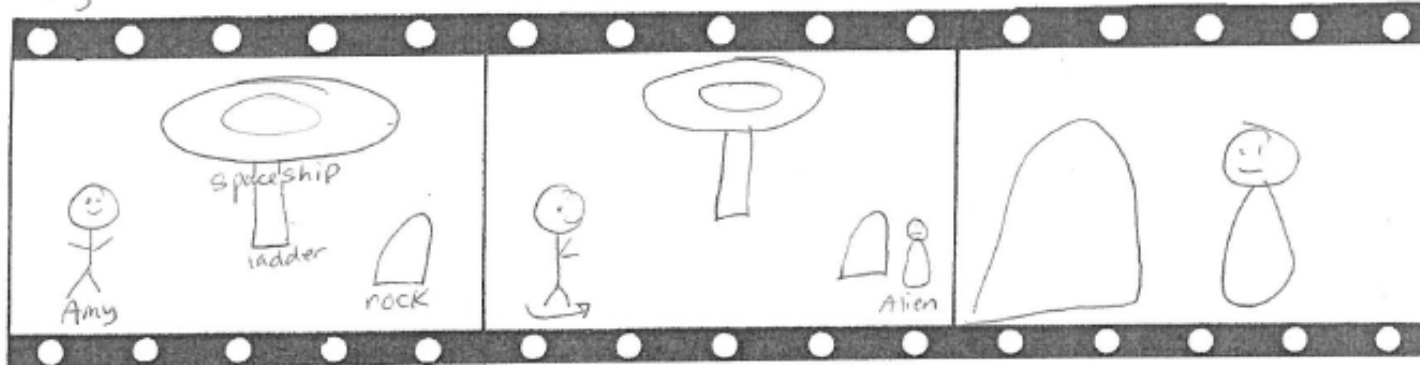
Objects: Amy, spaceship, rock

Complete Storyboard example

Title: A Space Scare

objects used: Astronaut (Amy), UFO, teaTable (ladder), rockyOutcrop, alien

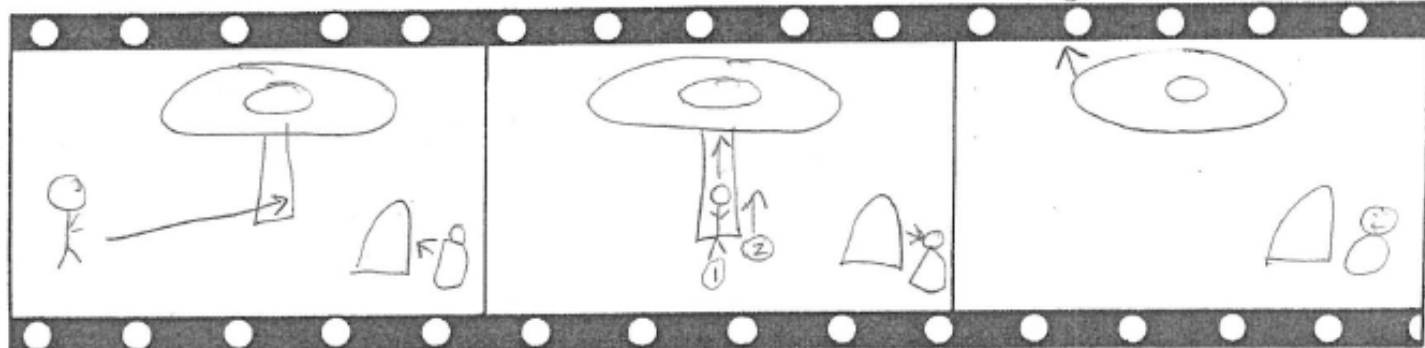
Storyboard



Initial Scene

Noise! An Alien appears to the right of the rock. Amy turns toward the rock

Camera zooms in to get good look at Alien. Then zooms back to original location



Amy runs to ladder while Alien runs behind rock

Amy goes up into spacecraft. Then ladder goes up. Alien comes out of hiding.

spaceship takes off and Alien says "Don't you want to play?"

Name: S. Rodger

Pixar does Storyboards



Other instructions

- Move
- Move to
- Move towards
- Point at
- Place
- Turn
- Turn to face

Sakai Quizzes

- Last Chance for QZ1-QZ3 beginning of next week
 - QZ1, QZ2 and Q3 – turn off Sept 7 when lecture starts
- Starting Next week, Quizzes turn off when lecture starts on the day they are due
 - QZ4, QZ5, etc – TURNS off when lecture starts!

Announcements

- Assignment 1 due Thursday, Sep 2, 11:59pm
- Consulting hours
 - See help tab on course web page
 - Add yourself to My Digital Hand (Beta)
- Prof. Rodger also has zoom hours on My Digital Hand
 - See info tab on course web page

Class Today

- Storyboard
- Alice programming
- Check off when done or in next class period

