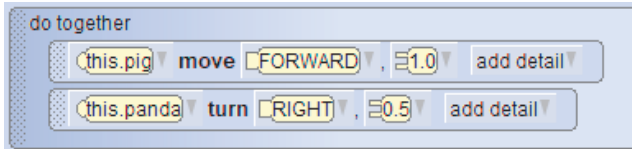


CompSci 94

Move/Turn/Roll Instructions

Do Together, Storyboards

August 31, 2021



Prof. Susan Rodger

8/31/21

CompSci 94 Fall 2021 1

Instructions

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

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Instructions

- Move – how many directions to move?
 - 6 ways – up, down, left, right, forward, backward
- Turn – how many ways?
 - 4 ways – left, right, forward, backward
- Roll – how many ways?
 - 2 ways – left, right

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Object Parts

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

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Object Parts

- Which instructions should you use with object parts? (turn, roll, move?)
 - Yes to turn and roll
 - No to move

Other instructions

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

DoInOrder vs DoTogether

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

The image shows two code blocks. The top block is labeled 'do in order' and contains two instructions: 'this.pig move FORWARD, 1.0' and 'this.panda turn RIGHT, 0.5'. The bottom block is labeled 'do together' and contains the same two instructions: 'this.pig move FORWARD, 1.0' and 'this.panda turn RIGHT, 0.5'. Each instruction has an 'add detail' button next to it.

DoInOrder vs DoTogether

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- Pig and Panda end up in the same place with either one

DoInOrder vs DoTogether - 2

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

The image shows two Scratch code blocks. The top block is a 'do in order' block containing two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'. The bottom block is a 'do together' block containing the same two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'.

DoInOrder vs DoTogether - 2

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

The image shows two Scratch code blocks. The top block is a 'do in order' block containing two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'. The bottom block is a 'do together' block containing the same two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'.

- NO – Panda ends up in a different place with each code block

Panda DoInorder block

A Scratch 'do in order' block containing two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'.



Panda DoTogether

A Scratch 'do together' block containing two sub-blocks: 'this.panda move FORWARD 1.0' and 'this.panda turn LEFT 0.5'.



What goes into a Storyboard?

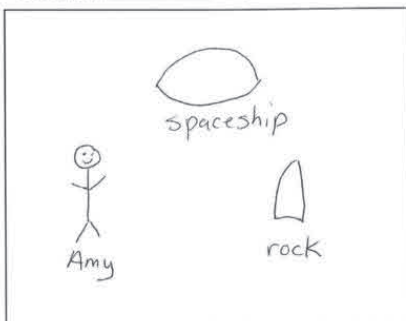
What goes into a Storyboard?

- Sketches
- List of objects
- Brief description of a sketch
- Show motion with arrows
- Number the sketches

Storyboards

- Series of sketches
- Simple sketches
- List of objects

Scene: 1



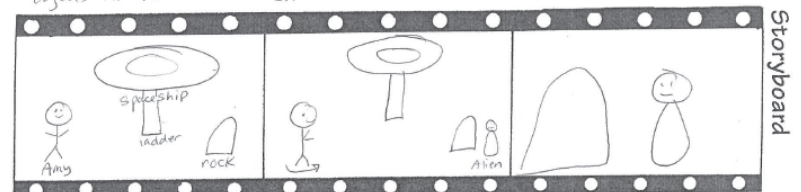
Initial scene

Objects: Amy, spaceship, rock

Complete Storyboard example

Title: A Space Scare

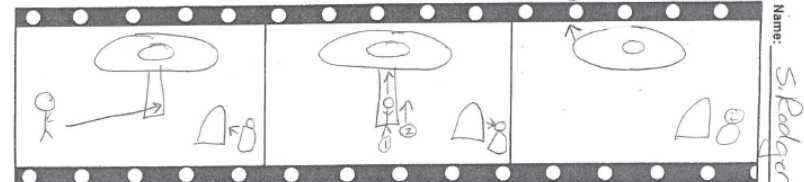
objects used: Astronaut (Amy), UFO, teaTable (ladder), rockyOutcrop, alien



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

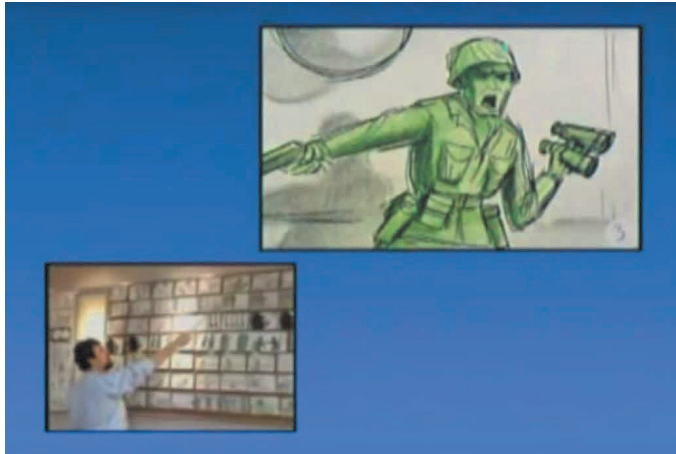


Amy runs to ladder while Alien runs behind rock

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?"

Pixar does Storyboards



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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!

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Announcements

- Assignment 1 due Thursday, Sep 2, 11:59pm
- Consulting hours
 - See help tab on course web page
- Prof. Rodger has zoom hours
 - See info tab on course web page

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Class Today

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



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