

Osmo Coding Jam

“Whimsical Recess”

Created by:
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Difficulty:
Intermediate

Teaches:
Loops
Quantifiers
Subroutines



What You'll Need:



Characters Needed:





Melody

1. Create your subroutines:

2. Create your melody:



A light blue rounded rectangular area representing a subroutine. It contains two blocks: a grey block with a loop icon and the number 3, and a red block with a person icon and the number 4.

A light blue rounded rectangular area representing a subroutine. It contains one block: a teal block with a star icon and the number 2.

A light blue rounded rectangular area representing a subroutine. It contains one block: a teal block with a circle icon and the number 2.



Drums

1. Create your subroutines:

Three subroutine blocks are shown, each with a unique icon in a teal header:

- Block 1:** Header with a circle icon. Contains two orange blocks with a hand icon and left/down arrows.
- Block 2:** Header with a square icon. Contains a grey loop block with a yellow '3' and a purple 'z' block with a yellow '4'.
- Block 3:** Header with a star icon. Contains a teal circle block, a red block with a hand icon and down arrow, an orange block with a hand icon and down arrow, a teal circle block, an orange block with a hand icon and left arrow, and a red block with a hand icon and up arrow.

2. Create your drums:

A vertical sequence of code blocks representing a drum pattern:

- Teal header with a square icon.
- Grey loop block with a yellow '2'.
- Teal header with a star icon.
- Red block with a hand icon and up arrow.
- Red block with a hand icon and up arrow.
- Teal header with a circle icon.
- Blue block with a hand icon and down arrow.
- Red block with a hand icon and up arrow.
- Blue block with a hand icon and down arrow.



Bass

1. Create your subroutines:

The first subroutine is triggered by a 'when green flag clicked' block and contains two 'press key' blocks: 'left arrow' and 'down arrow'. The second subroutine is triggered by a 'when green flag clicked' block and contains a 'repeat' block (3 times) with a 'press key' block 'z' and a 'wait' block (5 seconds). The third subroutine is triggered by a 'when green flag clicked' block and contains a sequence of seven 'press key' blocks: 'left arrow', 'right arrow', 'down arrow', 'left arrow', 'down arrow', 'left arrow', and 'right arrow'.

2. Create your bass:

The bass sequence consists of seven blocks: a 'when green flag clicked' block, a 'repeat' block (2 times) with a 'press key' block 'z', a 'when green flag clicked' block, a 'press key' block 'z', a 'press key' block 'left arrow', a 'press key' block 'right arrow', a 'when green flag clicked' block, and a 'press key' block 'left arrow'.



Chords

1. Choose this chord progression:

