

Osmo Coding Jam

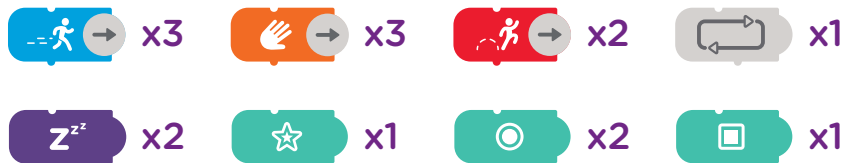
“Dueling Xylos”

Created by:
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Difficulty:
Advanced

Teaches:
Loops
Quantifiers
Subroutines

What You'll Need:



Characters Needed:





Melody

1. Create your subroutines:

The first panel has a header block with a circle icon. Its subroutine block contains a loop block, a blue block with a person icon and a downward arrow, and an orange block with a hand icon and a downward arrow.

The second panel has a header block with a square icon. Its subroutine block contains a purple block with 'Zzz' and a yellow block with the number '4'.

The third panel has a header block with a star icon. Its subroutine block contains a loop block and a teal block with a circle icon and a yellow block with the number '4'.

2. Create your melody:

The melody sequence consists of the following blocks from top to bottom: a teal block with a circle icon; a purple block with 'Zzz' and a yellow block with '4'; a teal block with a circle icon; a teal block with a square icon; a teal block with a star icon; a red block with a person icon and a leftward arrow; a red block with a person icon and an upward arrow; and a blue block with a person icon and a downward arrow.



Bass

1. Create your subroutines:

Three vertical panels showing subroutines for a 'Bass' routine. Each panel has a teal header with a specific icon: a circle, a square, and a star. The first panel has two red blocks with a person icon and left/right arrows. The second panel has a grey loop block with '3' and a purple 'Z' block with '4'. The third panel has a teal circle block, followed by two orange hand blocks with left and down arrows, a teal circle block, an orange hand block with an up arrow, and a red person block with an up arrow.

2. Create your bass:

A vertical stack of three blocks for the 'Bass' routine. The top block is teal with a square icon. The middle block is teal with a star icon and a yellow '4' on the right. The bottom block is blue with a person icon, a grey left arrow, and a yellow '3' on the right.



Melody

1. Create your subroutines:

The first subroutine block has a 'Start' icon and contains a 'Repeat' block with three sub-blocks: 'Repeat' (grey), 'Wave' (orange), and 'Walk' (blue). The second subroutine block has a 'Stop' icon and contains a 'Sleep' block (purple) with a duration of 4. The third subroutine block has a 'Star' icon and contains a 'Repeat' block (grey) with a 'Start' block (teal) with a duration of 4.

2. Create your melody:

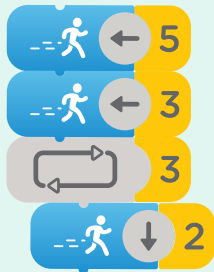
The melody stack consists of seven blocks: a 'Sleep' block (purple) with a duration of 4, a 'Start' block (teal), a 'Stop' block (teal), a 'Start' block (teal), a 'Star' block (teal), a 'Sleep' block (purple) with a duration of 2, and a 'Walk' block (blue) with a 'Down' arrow icon.



Chords

(Create your own)

1. Create your subroutines



2. Create your chords:

