

Osmo Coding Jam

“The Warbling Waltz”

Created by:
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Difficulty:
Easy

Teaches:
Loops
Nested loops
Quantifiers
Subroutines

What You'll Need:



400

Chord Machine



x2



x3



x2



x2



x2



x1



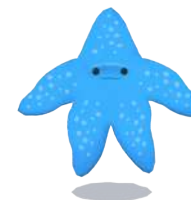
x1



x1



Characters Needed:





Bass

1. Create your subroutines:

The first panel has a 'Start' icon (a circle with a dot) and contains three blocks: a purple block with 'Zzz', a red block with a person icon and an upward arrow, and another purple block with 'Zzz'.

The second panel has a 'Stop' icon (a square with a dot) and contains three blocks: a purple block with 'Zzz', a red block with a person icon and a downward arrow, and another purple block with 'Zzz'.

The third panel has a 'Star' icon (a star) and contains a loop block (a grey rectangle with arrows) followed by a loop block with a yellow '4' on its right side, then a 'Start' icon, and finally a 'Stop' icon.

2. Create your bass:

The final bass routine block consists of a 'Star' icon on top and a red block with a person icon and a downward arrow below it.



Bass

1. Create your subroutines:



2. Create your bass:





Melody

1. Create your subroutines:

Three subroutines are shown, each with a unique icon in a teal header block:

- Subroutine 1 (Target icon):** A loop block with a duration of 2, followed by a 'Zzz' block with a duration of 4.
- Subroutine 2 (Square icon):** A sequence of five blocks: an orange hand block with an up arrow, a purple 'Zzz' block, a red person block with a right arrow, an orange hand block with a left arrow, and a purple 'Zzz' block with a duration of 2.
- Subroutine 3 (Star icon):** A sequence of six blocks: an orange hand block with an up arrow, a blue person block with an up arrow, a purple 'Zzz' block, a red person block with an up arrow, a blue person block with an up arrow, and a red person block with a down arrow.

2. Create your melody:

A melody sequence is shown, consisting of four blocks:

- A teal header block with a target icon.
- A grey loop block with a duration of 3.
- A teal block with a star icon.
- A teal block with a square icon.



Chords

(Create your own)

1. Create your subroutines:

Three vertical panels illustrating subroutines. Each panel has a teal header with a symbol: a circle, a square, and a star. The first panel contains a loop block (5) and a hand-up block (4). The second panel contains a hand-left (3), hand-down (3), loop (2), and hand-right (2) blocks. The third panel contains a circle and square block.

2. Create your chords:

A vertical stack of three blocks: a teal circle block, a teal star block with a yellow '2' on the right, and an orange hand-up block with a grey up arrow block.