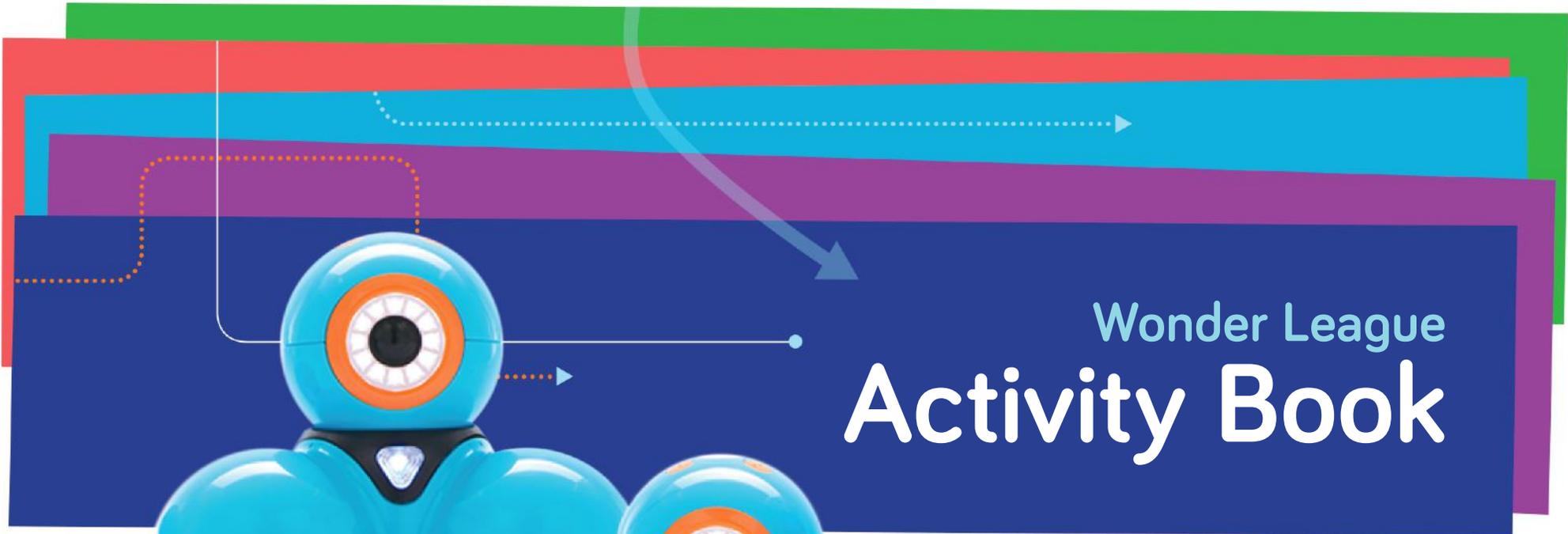


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Wonder League  
**Activity Book**

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Hello World Challenge  
Activity Guide



# Hello World Challenge

## Club Leader Notes

Program Dash to say  
"Hello, World!"  
after you speak!



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## Objectives

### Kids will:

- Learn how to record their voices onto Dash.
- Learn how to make Dash respond to their voices.

## Time Required

 30 minutes

## Materials & Prep

### Required

 Dash

## Concepts Covered

- Sequences
- Microphone
- Cues and Behaviors

-  Voice Heard
-  Voice Turn
-  Sound: Happy
-  Sound: Custom

### Warm Up

This activity is an introduction to Dash and Wonder. The **Hello, World** program has a long history as one of the first things coding students learn to do. This is a fun variation on that activity.

- Make sure the kids know how to record custom sounds and transfer them to Dash. Let them practice using the **Custom Sounds** behavior.
- Show these videos to any Wonder beginners:

-  All About Cues
-  Creating & Deleting States
-  The Custom Sound Behavior

# Hello World Challenge

## Club Leader Notes

Program Dash to say  
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### Level 1

Program Dash to say **Hello, World!** after you say something.

- Use this key to download the starter program:  kize
- Use the **Custom Sound** behavior to record **Hello, World!** in your own voice.
- Run the program and say something (for example, "Hi, Dash!") to activate Dash's response.

### Level 2

Program Dash to **turn to you** and say **Hello, World!** after you say something.

- Add to the program to include the **Voice Turn** behavior. After someone speaks, Dash should **turn** to the voice and then say **Hello World!**
- Example solution:  xqdq

### Level 3

Do a creative version of the Hello World program. Have your kids come up with their own ways for Dash to greet the world.

- Include dancing and sound.
- Share a video of Dash doing the program (including a shot of the program itself) and tag it with **#makewonder**.
- Example solution:  waxj



**Notes:**

# Hello World Challenge

## Activity Sheet

Program Dash to say  
"Hello, World!"  
after you speak!



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### Level 1

- Download the starter program and make Dash say **Hello World!** after you speak. Use this key: 
- Try it out by saying **Dash!** loudly. Dash should respond with **Hello, World!**

Try these behaviors and cues:



### Level 2

- Program Dash to **turn** to you and say **Hello World!** after you speak.
- Try it out by saying **Dash!** loudly. Dash should respond by turning to you and saying **Hello, World!**

Try these behaviors and cues:



### Level 3

- Do your own creative version of the Hello World program. Program your robot to say hello to the world in your own unique way!
- Share your Hello World program with the rest of the Dash & Dot community by posting a video and tagging it with **#makewonder**.

Try these behaviors and cues:



### Ideas

- Keep the room quiet (no talking) when using the Voice Heard cue so that Dash can respond to the right voice.
- You can get creative and have Dash say more things after **Hello World** by adding additional custom sounds and moves!