WINTER WONDERLAND

Up for a Challenge?

Dashing Through the Snow!







Dash robot

Blockly app





Dash Challenge Card F 2.2

STEPS

- 1 Use the "Road Trip" Dash Challenge Card to create a sequence of commands for Dash.
- Open the Blockly app on your compatible device* and create a new program.
- Follow the instructions on the Challenge Card by dragging the block commands onto your screen. Connect them in order below the START block.
- Be creative and add your own animations or sounds/voice recordings along the way.
- 5 Press the green PLAY button to test your program.

What Can You Do with Cue?

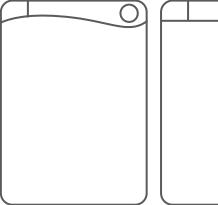
MATERIALS





Cue robot

Cue app





Blank Challenge Card

STEPS

- 1 Take a look at the "Road Trip" Dash Challenge Card.
- 2 Create your own Challenge Card outlining a similar robot road trip using variables for Cue.
- On the front side, add an image with a title and problem statement. On the back, outline your challenge in simple steps!
- 4 Open the Cue app on your compatible device*.
- 5 Share away!

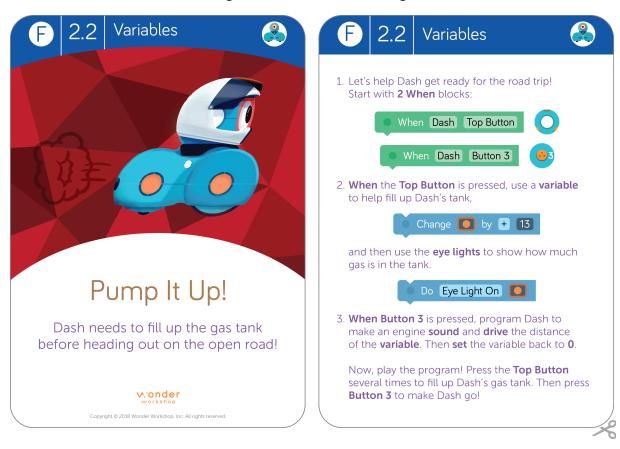


Share your video on Twitter @WonderWorkshop with the hashtag #FunWithWonder.

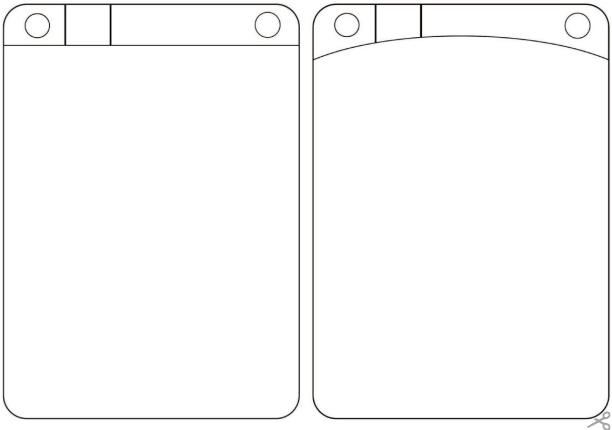




Cut out the Dash Challenge Card and fold in half or glue back to back.



Design your own Challenge Card. Cut and fold/glue when you are done.







Now Let's Get Creative!

Use your coding skills and Sketch Kit to create a winterscape showing a winter themed scene. What would Dash and Cue see? Perhaps there would be a snowman, a mitten, or a snowflake falling from a cloud.



Sketch Kit

Sketch Kit Whiteboard Mat or large piece of butcher paper

Device to take photos or videos

STEPS

- Brainstorm different images that represent winter to you.
- 2 Attach the Sketch Kit to Dash or Cue (https://www.makewonder.com/play/setup/#sketch_kit).
- 3 Snap in a dry erase marker.
- 4 Program your robot to draw your winterscape.



Record your robot sketching out the winterscape step by step.

Use a simple video editing or slideshow app such as iMovie or Animoto to put your photos or videos together and add some festive music.



Variable A placeholder for a piece of information that can change.

Record a video of Dash or Cue running your program successfully.

Share your video on Twitter @WonderWorkshop with the hashtag #FunWithWonder.





Time to Go Offline!

Create a comic strip of Dash, Dot, and Cue in the real world. Give them a real-world problem to tackle.

How would they solve it together?

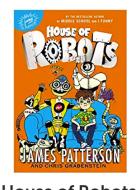
Use drawings, speech bubbles, and descriptive copy to bring your comic strip to life.

Create six scenes that show a beginning, middle, and end to your story. Consider storyboarding your ideas here and then using a digital animation tool to add some multimedia dimension to your comic.





Recommended Reading



Take a look at our recommended book.

Have it heard about it before?

Do check out our other recommended picture and chapters books that have to do with coding and robotics at:

www.makewonder.com/blog/stem-recommended-reading-list

How many books on the list have you read?

House of Robots by James Patterson

Color in our robot's eye to show how many books you've read:





Today, there are more than a million robots used in industries across the world - and almost half are used in Japan!

