* Activities Packet #6 WINTER WONDERLAND

Up for a Challenge?

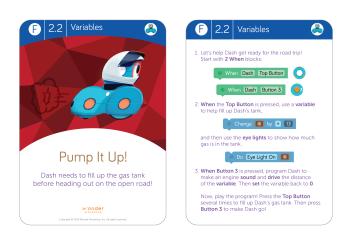
Dashing Through the Snow!





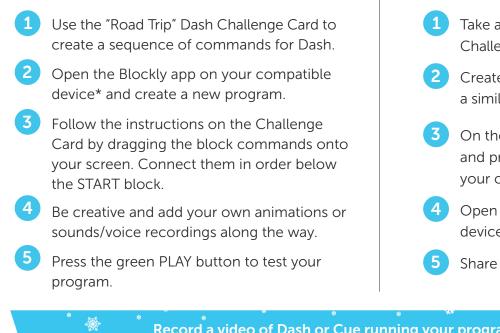
Dash robot

Blockly app



Dash Challenge Card F 2.2

STEPS



What Can You Do with Cue?

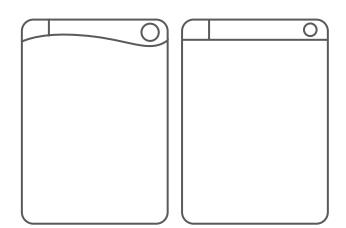






Cue robot

Cue app



Blank Challenge Card

STEPS

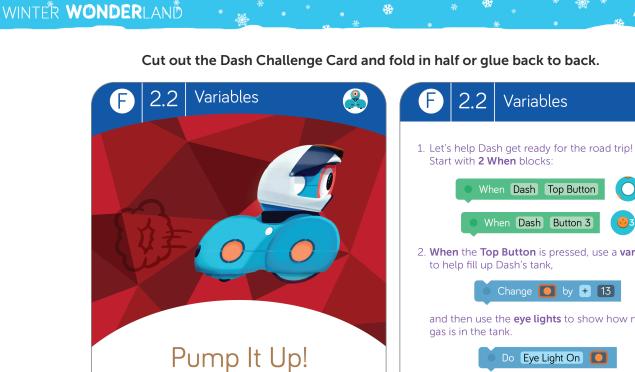
- Take a look at the "Road Trip" Dash Challenge Card.
- Create your own Challenge Card outlining a similar robot road trip using variables for Cue.
- On the front side, add an image with a title and problem statement. On the back, outline your challenge in simple steps!
- Open the Cue app on your compatible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

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



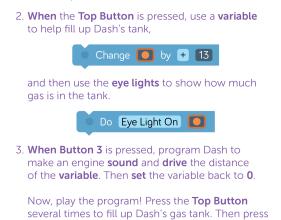
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Dash needs to fill up the gas tank before heading out on the open road!

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Button 3 to make Dash go!

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

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Now Let's Get Creative!

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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

- 1 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.

LEVEL UP!

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.

🛞 VOCABULARY 🛞

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

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Record a video of Dash or Cue running your program successfully. Share your video on Twitter @WonderWorkshop with the hashtag #FunWithWonder.



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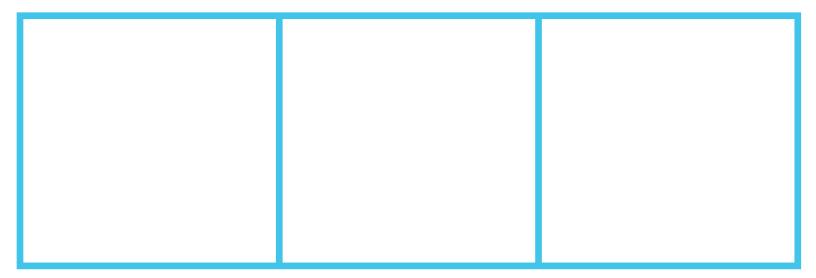
Time to Go Offline!

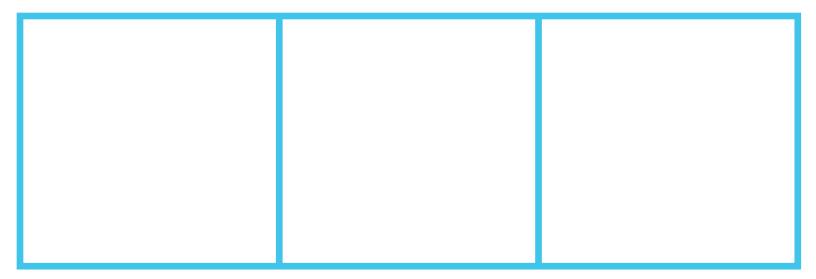
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Create a comic strip of Dash, Dot, and Cue in the real world. Give them a real-world problem to tackle. How would they solve it together?

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



House of Robots by James Patterson

Take a look at our recommended book.

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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?

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



🏶 🛛 FUN FACT 🛞

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



