

What I See For Canada's Future Is...

CANADA LEARNING CODE LESSON PLAN

Inspire your students to share what they see for Canada's future!
Doodles can be submitted between **March 15, 2017 – May 2, 2017**



WHAT ARE YOU RECEIVING?

1

A letter explaining the contest and submission process to copy and share with parents

2

2 unique lesson plans to brainstorm and code a Google Doodle

In this lesson students will brainstorm and code a Canadian themed Google Doodle. The activities in this lesson can be mixed and matched to extend the length of the lesson, create paper doodles for submission, or experiment in Scratch.



*Please see eligibility requirements in the Official Contest Rules available at g.co/d4gCanada. Residents of Quebec must be at least thirteen years of age to participate.



Dear Parent/Guardian...

At Google, we think about what's next.

We truly believe that the best way to invest in Canada's next 150 years is to invest in our youth. That's why we're launching Doodle 4 Google, a national contest inviting students from Kindergarten to Grade 12 to redesign the logo for the Google.ca homepage for a day.*

This year, with Doodle 4 Google, we're asking kids to imagine what Canada's future will look like and explore the exciting possibilities and cultural changes that technology, science, and innovation will bring through art. In other words, we're asking that this year's doodles explain "What I see for Canada's future is..."

One talented student's winning artwork will appear on the Google.ca homepage. The winner will also receive a \$10,000 university scholarship and a \$10,000 technology award for their school.

There are also prizes for our finalists, including Google tech and technology awards for the schools of the finalists.

Go to g.co/d4gCanada for more information and the entry form.

NOW, LET'S GET DOODLING!

The Doodle 4 Google Canada Team

KEY DATES

Competition Opens: **MARCH 15, 2017**

Submissions Close: **MAY 2, 2017**

HOW TO ENTER:

1. Download the form at g.co/d4gCanada.
2. On the entry form, have students create their doodles around the theme "What I see for Canada's future is..." using any materials they want, write their 50-word statement, and have a parent or legal guardian sign the form.
3. If coding your doodle, it needs to be a still image. Please take a digital photo as a png or jpg file and attach it to the entry form.
4. Entry forms can be submitted digitally as a .png or .jpg file at g.co/d4gCanada or by mail. Mailed submissions must be postmarked by May 2, 2017 and received seven days from the postmark deadline at the addresses below.

Doodle 4 Google Canada

PO Box 550, Toronto Adelaide Retail
31 Adelaide St E
Toronto, ON
M5C 2J6





What I See For Canada's Future Is ...

OBJECTIVE

Inspire your students' imaginations for what they see for Canada's future.

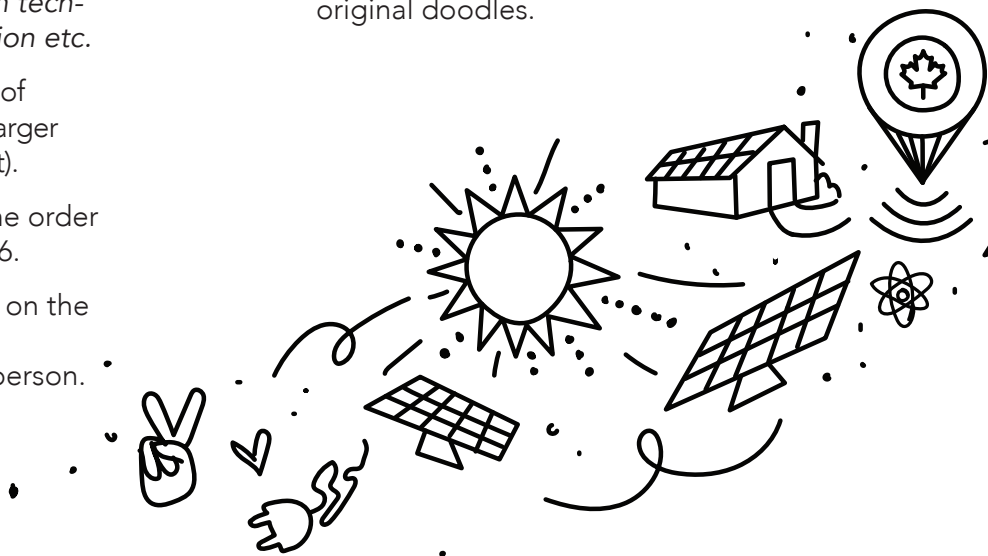
MATERIALS

Markers, pencils, large paper, other drawing tools.

CHALLENGE STUDENTS TO LOOK AT HOW THEY WILL MAKE A DIFFERENCE IN CREATING THE WORLD OF TOMORROW.

While the first activity is run in groups, it is important to note that doodles need to be submitted by individual students.

- Students will play a game that is traditionally called **exquisite corpse** where they will each add a letter drawing inspired by the theme to their doodle.
- In groups of 6 have students brainstorm a theme that they will use across their team doodle.
 - These themes could include: *Canada's history, Canada today, Canadian foods, Canadian technology, Canadian innovation etc.*
- Have students fold a sheet of paper into 6 even parts (a larger sheet of paper may be best).
- Students should decide the order they want to go in from 1-6.
- Students will draw a letter on the sheet then fold it to hide their letter from the next person.
- Have the first student draw their doodle just for the letter 'G', the second 'O', third 'O', fourth 'G', and so on until the group has drawn Google.
- Once every student has drawn a letter, have the group unfold the paper to look at their completed doodle.
- Have the small groups reflect on what they liked about the activity, what they noticed (are there similarities in some of the drawings), and what they think they will change when creating their own original doodles.





Let's Jump into Scratch!

OBJECTIVE

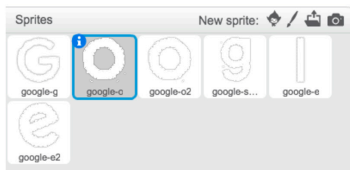
Lead students to take the learnings from the brainstorm activity, and translate it to a Google Doodle

NOW IT'S TIME FOR YOUR STUDENTS TO SHARE THEIR VISION FOR THE FUTURE AND TURN IT INTO A GOOGLE DOODLE!

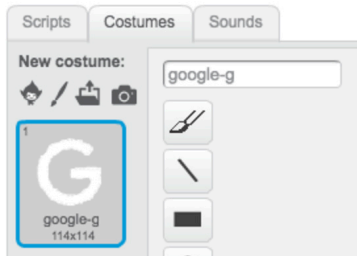
Steps:

Open up the Scratch template (goo.gl/yA97gv),
1) Click See inside (2) Select Remix
(3) Rename your project

You'll see all the G-O-O-G-L-E letter Sprites on the stage.



Click on a letter. Then, click on the 'Costumes' tab to begin designing the letter.



Let students explore the changes they can make like drawing, making lines, adding images, shapes, etc. Here's an example to show to how to make the letter shape still visible while changing the look and feel of the letter.



Once all your letters are decorated let's learn how to make them dance! Click on a letter to start with and switch back to the 'Scripts' tab. Add an events block when this sprite clicked block.



Add a motion move 10 steps block. The number of steps in this block is a **variable** that can be changed.



This letter needs a beat to dance to so add the sound block play drum 1 for 0.25 beats.

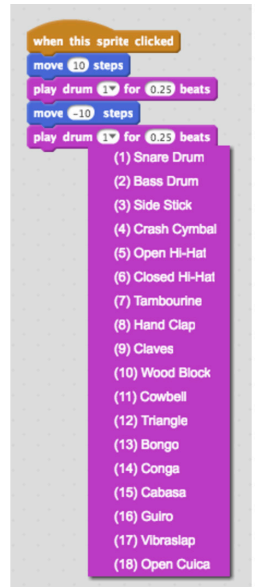




Now we'll make our letter take a step back by adding another motion block but this time we'll definitely take advantage of the variable in the move block to move the letter -10 steps.



Let's play the drum one more time!
Add the sound block play drum again.



EXTENSIONS

1. Extend the song the letters are dancing to or add in different layered instruments as the letters dance.
2. Have students extend their drawings by creating a custom background.

ASSESSMENT

Hold a doodle gallery so students can take turns presenting their work to their peers and seeing the works of their classmates.

Have students explain why they chose the drawing technique they did, what inspired them, what theme did they have in mind, how did they make their letters fit/or differ in style.

Don't forget to submit your Doodle 4 Google for a chance to win a \$10,000 university scholarship and have your doodle featured on Google.ca for a day!

OTHER SUGGESTED LESSONS

[Terry's Shoes](#)

REFERENCE

doodles.google.ca/d4g/education.html

Check out more exciting [Canada Learning Code lessons](#) to see more ways to celebrate Canada's 150th digitally!

HELP YOUR STUDENTS ENTER:

Using the entry form found at g.co/d4gCanada, you may submit multiple entries at one time on behalf of your students. Students may also submit entries via their parents/legal guardians.

1. Download the form at g.co/d4gCanada.
2. On the entry form, have students create their doodles around the theme "What I see for Canada's future is..." using any materials they want, write their 50-word statement, and have a parent or legal guardian sign the form.
3. If coding your doodle, it needs to be a still image. Please take a digital photo as a png or jpg file and attach it to the entry form.
4. Entry forms can be submitted digitally as a .png or .jpg file at g.co/d4gCanada or by mail. Mailed submissions must be postmarked by May 2, 2017 and received seven days from the postmark deadline at the addresses below.

Doodle 4 Google Canada

PO Box 550, Toronto Adelaide Retail
31 Adelaide St E
Toronto, ON
M5C 2J6

