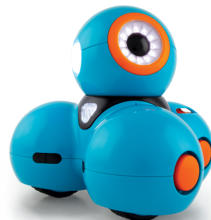# Dash's Trip Through History

Worksheet

Teacher Guide and Standards

Objective: Students will be able to explain a sequence of events while working with code to make a robot move a specific distance and vocalize historical facts.

Learning Standards:

NGSS Science or Engineering Standards:

3-5-ETS1-1.Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

3-5-ETS1-2.Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

3-5-ETS1-3.Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

CCSS ELA or Math Standards:

CCSS.ELA-LITERACY.SL.5.4 Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.
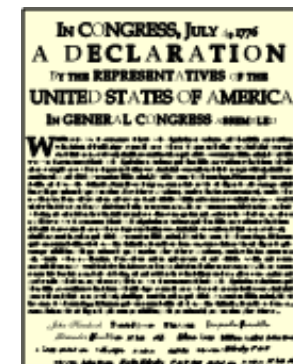
CCSS.ELA-LITERACY.SL.5.5 Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.

CCSS.MATH.CONTENT.5.NBT.A.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

CCSS.MATH.CONTENT.5.NBT.A.4 Use place value understanding to round decimals to any place.

Turn and Talk

- What are the events depicted below?
- Are they causes or effects?
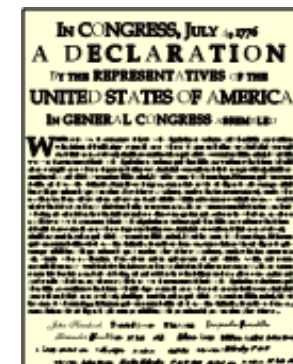- Are they in the correct order?

Check your answers

Stamp Act

1765

French and Indian War

1754-1763

Boston Massacre

1770

Intolerable Acts

1774

**Declaration
of
Independence**

1776

Create a Timeline!

1. Think of a historical event or period and research it.

2. Create a timeline of five key events, causes or effects that made this event important.

3. Use the audio feature in the Blockly app to record your description of events.

4. Program Dash to follow your timeline. Hint: Dash can move in increments of 10 cm.

5. Have Dash tell the class about your event!

Attachments

Dash's Trip Through History.docx

Historical Timeline Template.docx