

**PROGRAM**

# Code Vol. 4



**ORGANIZATION NAME**

**Herschell Carrousel Factory Museum**

**AVAILABLE FORMATS**

- Performance
- Single Workshop
- Multi-Session  
Residency Workshop
- Field Trip

**GRADE LEVELS**

- Pre-K
- K – 2nd
- 3rd – 5th
- 6th – 8th
- 9th – 12th

**MAX NUMBER OF PARTICIPANTS**

In-Person: 35

**PROGRAM LENGTH**

Single Workshop: 45 minutes  
Field Trip: 90 minutes  
Multi-Session Workshop: Flexible

**PROGRAM DESCRIPTION**

Code Vol. 4 is the fourth and currently most advanced coding lesson offered by the Herschell Carrousel Factory Museum. This lesson highlights the use of functions within computer coding. Teachers can choose between a 1-day field trip or a multi-day workshop. Both challenge students to code original music.

**CURRICULUM STANDARDS**

This program supports these NYS or Next Generation Learning Standards:

- 7SL1b: Follow norms for collegial discussions, track progress toward specific goals and deadlines, and define individual roles as needed.
- 8SL1b: Follow norms for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed
- 11-12SL1c: Pose and respond to questions that probe reasoning and evidence; address a full range of positions; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.
- 8.2a Technological developments changed the modes of production, and access to natural resources facilitated increased industrialization. The demand for labor in urban industrial areas resulted in increased migration from rural areas and a rapid increase in immigration to the United States. New York City became the nation’s largest city, and other cities in New York State also experienced growth at this time.

NYS Learning Standards for the Arts:

- VA:Cr1.1.7: Apply strategies to overcome creative blocks.
- VA:Cr1.2.7: Develop criteria to guide making a work of art or design to meet an identified goal.
- VA:Cr2.2.4: Utilize and care for materials, tools, and equipment in a safe manner.

Contact Arts for Learning WNY for more information.  
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A collaborative initiative of



**Arts for Learning WNY**

Inspiring, expand learning, and strengthen our community through engagement with the arts.

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## EDUCATIONAL OBJECTIVES

Students will understand the function of binary code in music.

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## LOGISTICS/EQUIPMENT

- tables, chairs, and pencils

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## VOCABULARY

**Coding** – coding refers to creating computer programming code. In a more general sense, the word coding is used to refer to assigning a code or classification to something

**Function** – a relationship or expression involving one or more variables

**Sequencing** – arrange in a particular order

## ORGANIZATION DESCRIPTION



The Herschell Carrousel Factory Museum, operated by the Carousel Society of the Niagara Frontier, is a premier national historic site and community resource for family recreation and learning that fosters an appreciation for the unique heritage of the carousel and related industries in the Niagara Region.



Arts for Learning WNY's mission is to inspire, expand learning, and strengthen our community through engagement with the arts.

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