

## ALBUM CODING WITH PRIMARY SOURCES (SCRATCH 3.0)

### Album Description

Music and technology both offer rich opportunities for students to engage with primary sources, but can be daunting when there is limited time to explore. We have developed a self-directed individual or collaborative activity for students to learn a little history, a little music, and a little technology. Our hope is that a teacher from any subject area will be equipped to explore this intersection with students, and ideally collaborate with other educators through the process. Follow the link to a guide students can use to explore Civil War bugle calls through coding, along with additional resources teachers can use to extend and enrich the learning experience. Since it is self-directed, it may be used as a class activity or an enrichment activity to challenge and engage individual students. An optional extension activity challenges students to express what they've learned through the exploration by composing and coding original music of their own. We're eager to hear feedback – and listen to the original compositions - from diverse classrooms that have used our tool!

This activity uses Scratch. "With Scratch, you can program your own interactive stories, games, and animations — and share your creations with others in the online community. Scratch helps young people learn to think creatively, reason systematically, and work collaboratively — essential skills for life in the 21st century. Scratch is a project of the Lifelong Kindergarten Group at the MIT Media Lab. It is provided free of charge."



Carolyn Bennett Art/Music Library 3 - 5 6 - 8 Technology bestof

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## **SAMPLE SCRATCH PROJECT**

### **Teaching Notes:**

<https://scratch.mit.edu/projects/268767799/>

## BUGLE CALLS



**Reference Link:** <http://www.loc.gov/item/sm1885.19549/>

Created / Published: Ellis, John F. & Co., Washington, D. C, 1885, monographic.

Genre: sheet music

Notes: - From: Music Copyright Deposits, 1870-1885 (Microfilm M 3500)

- Also available through the Library of Congress Web Site as facsimile page images. (additional physical form)

Repository: Library of Congress. Music Division.

**[PRIVATE JAMES E. STALEY OF BAND COMPANY, 9TH INDIANA INFANTRY REGIMENT, AND COMPANY B, 1ST INDIANA HEAVY ARTILLERY REGIMENT, HOLDING A BUGLE TO HIS MOUTH AND CARRYING A REVOLVER IN HIS JACKET]**



#### Teaching Notes:

Used for the Sprite.

**Reference Link:** <http://www.loc.gov/item/2011645433/>

Summary: Photograph shows identified soldier, James E. Staley, who served as a musician in 9th Indiana Infantry Regiment from 1861-1862 and as a private in Company B, 1st Indiana Heavy Artillery Regiment from 1864-1866. (Source: American Civil War database.)

Created / Published: [between 1861 and 1865]

Subject Headings: - Staley, James E.,--1847-1916

- United States.--Army.--Indiana Infantry Regiment, 9th (1861-1865)--People
- United States.--Army.--Indiana Heavy Artillery Regiment, 1st (1863-1866)--People
- Soldiers--Union--1860-1870
- Military uniforms--Union--1860-1870
- Bugles--1860-1870
- Handguns--1860-1870
- Musicians--1860-1870
- United States--History--Civil War, 1861-1865--Military personnel--Union

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Genre: Portrait photographs--1860-1870

Tintypes--Hand-colored--1860-1870

Notes: - Title devised by Library staff.

- Case: Berg, no. 2-91.

- Gift; Tom Liljenquist; 2011; (DLC/PP-2012:127).

- More information about this collection is available at <http://hdl.loc.gov/loc.pnp/pp.lilj>

- Forms part of: Liljenquist Family Collection of Civil War Photographs (Library of Congress).

- Forms part of: Ambrotype/Tintype photograph filing series (Library of Congress).

- Exhibited: "The Civil War in America" at the Library of Congress, Washington, D.C., 2013.

- pp/liljunion

Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: ppmsca 31124 //hdl.loc.gov/loc.pnp/ppmsca.31124

## GENERAL GRANT'S CAVALRY ESCORT, CITY POINT, VA., MARCH, 1865



### Teaching Notes:

Used for Background/Stage.

**Reference Link:** <http://www.loc.gov/item/2013648497/>

Summary: Portrait shows five buglers standing at left.

Created / Published: photographed 1865, [printed between 1880 and 1889]

Subject Headings: - United States--History--Civil War, 1861-1865--Military personnel--Union

- United States--Virginia--Petersburg

Notes: - No. 445.

- Title from item.

- Alternate title and date from Catalogue of photographic incidents of the war, from the gallery of Alexander Gardner...by Bob Zeller, published by the Center for Civil War Photography, c2003.

- Gift; Col. Godwin Ordway; 1948.

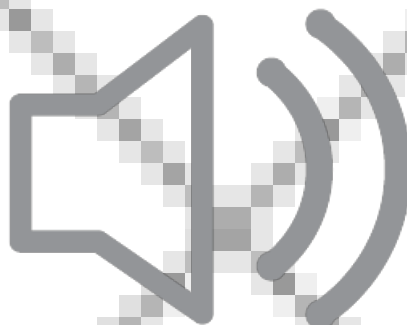
Repository: Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://hdl.loc.gov/loc.pnp/pp.print>

Digital Id: [ppmsca 34478](http://hdl.loc.gov/loc.pnp/ppmsca.34478) //hdl.loc.gov/loc.pnp/ppmsca.34478

[ppmsc 02788](http://hdl.loc.gov/loc.pnp/ppmsc.02788) //hdl.loc.gov/loc.pnp/ppmsc.02788

**BUGLE CALLS [PLAYED] BY CHIEF TRUMPETER CASSI OF ROOSEVELT'S ROUGH RIDERS.**



AUDIO

**Teaching Notes:**

Audio played when Background is clicked.

**Reference Link:** <https://www.loc.gov/item/00579646/>

Summary: Re-enactment of bugle calls sounded at San Juan Hill, Santiago, Cuba, July 1, 1898: First call; reveille; assembly; forward, guide right; halt; skirmish; rally. Taps as sounded at the graves of Sergeant Hamilton Fish, Jr., and Captain Capron, June 24, 1898 at Las Guasismas. Taps sounded at the grave of Captain Bucky O'Neil, July 1, 1898.

Contributor Names: Cassi, Emil. prf

Fish, Hamilton, -1898.

O'Neil, Bucky, -1898.

Capron, Captain, -1898.

Created / Published: [United States] : E. Berliner's Gramophone, 1898.

Subject Headings: - United States.--Army.--Volunteer Cavalry, 1st--Songs and music

- Bugle calls--United States

Notes: - Emil Cassi, bugler.

- Recorded at an unknown location, Nov. 28, 1898.

- Recorded on one side only.

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- Autograph of Cassi inscribed in zinc master.
- Acoustic recording.
- Also available in digital form on the Library of Congress Web site.
- Production level cataloging.

Digital Id: <http://hdl.loc.gov/loc.mbrsrs/berl.133438Y>


<http://hdl.loc.gov/loc.mbrsrs/collmbr.rs000002>



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### Teaching Notes:

I feel so bad that I didn't let you know about the editing tools so that you wouldn't have had to spend all that time recreating this album. Any time you create a post of any kind, you have access to a red box with a white gear icon (upper right of screen). If you click on that icon, it lets you go in to make changes in wording, add more tags, delete individual items from albums, and so on. I use it all the time to fix my writing or typos, or sometimes to add ideas that occur to me after I upload a post. So, my apologies,  Kellie Taylor, for any irritation I've caused by neglecting to let you know about the editing options.

I absolutely love the combination of "a little history, a little music, and a little technology" in this teaching idea! It's so creative!

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## **CODING BUGLE CALLS SCRATCH 3.0.DOCX**

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### Teaching Notes:

Brilliant! Another teacher and I completed this activity today in class as an enrichment, and it was wonderful. Thank you for sharing.

We loved that it involved decoding music. The activity was very circular, and we appreciated that. If students are unsure of notes, beats, or a process, the repetition will reinforce the concept throughout the activity. It was a rewarding coding activity!!! :) So many times, you move something from one side of the screen to the other, and this was so much better! It was cool to hear the music at the end of the activity; the kids thought it was rewarding. I recorded a video of the end result: [https://drive.google.com/open?id=1\\_BSotUuHJ0LXkW5UdACA6G8jeaN0dhvj](https://drive.google.com/open?id=1_BSotUuHJ0LXkW5UdACA6G8jeaN0dhvj)

What a fun activity; thank you for sharing!

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### Teaching Notes:

Fantastic! Thank you so much for the feedback. I love the video!

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### Teaching Notes:

No apologies necessary. I didn't recreate it. I simply deleted the Word document and added another in. I could use help on understanding why it looks as though it was a new album...

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### **Teaching Notes:**

What an amazing connection to primary sources! This would be a great collaboration between science, social studies, and music class! Although I have not done the activity with my students, the instructions of how to code using Scratch seem very student friendly. After they have completed the self-led tutorial, it would be interesting to bring in other historical music pieces that they need to program. I can't wait to collaborate with my co-workers on this! Thank you for sharing!

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### Teaching Notes:

Thank you for your comments! I agree that this could be an initial project with many more to follow. There are so many different ways the basic activity could be used.