

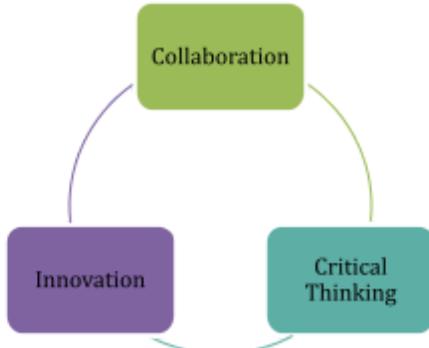
STEM School Chattanooga

11th Grade PBL

Unit Plan

Unit Quarter: 4th Title: Songbirds: Storytelling Through Music and Film Production

Learning Target Topics



Collaboration: Working with other people on a project or problem to achieve a shared goal.

Critical Thinking: Accessing, using, and applying information and knowledge.

Innovation: Using creative thinking to construct something new and valuable.

Grade Level	11 th Grade	Unit Length	9 Weeks
Industry Partner	<ul style="list-style-type: none"> Reed Caldwell, Songbirds Foundation 		
Unit Overview	<p>Songbirds Guitar Museum is a guitar-oriented, pop culture experience for the whole family which has recently opened to the public. To enhance their exhibits of rare and vintage guitars, STEM student teams will develop multimedia content to tell the unique stories of Chattanooga's rich music history and current music scene. The students involved will need to research, create a storyboard telling a story of their choosing, create a short film on par with industry standards, practices, and techniques, create audio backtracks and voiceovers, and finally arrange and edit all content to skillfully provide a window into the relationship between Chattanooga and music. For the school partners, the focus is on students achieving higher learning facilitated through the creation of multimedia content to enhance the Songbirds museum. For the STEM School, the focus is on the collaboration, innovation, and critical thinking skills demonstrated by the student teams.</p>		
Unit Essential Issue	<ul style="list-style-type: none"> Project: Produce multimedia content to accompany exhibits at Songbirds Guitar Museum through the use of studio production equipment and film. 		
Kick Off Event	<p>Kick Off: Monday, March 18th Reed Caldwell will provide an overview of the Songbirds Guitar Museum and John Dooley will explain the goals for the multimedia content creation and how the content will enhance the guitar museum.</p>		
Culminating Events	<p>Presentation Day: Week of May 6th Teams will present their multimedia exhibits at the Songbirds Guitar Museum.</p>		
Common Assessment	<p>Students will be scored using the STEM III Learning Targets Rubrics based on collaboration, innovation, and critical thinking.</p> <p>Items that will be used to score student work:</p> <ul style="list-style-type: none"> Inventor's Notebook (Contracts, iterations, and prototypes) Presentation to the Songbirds Staff - must include explanation of design choices Multimedia product for Songbirds Museum exhibit Group's weekly email chain with business partners throughout the project. 		