

## Schoolhouse Rocks

### **Scenario:**

Your team is composed of elementary school music teachers that write songs to help students learn in other subjects such as math, language arts, science, and history. You know the value of using songs in the classroom. Your goal is to encourage more teachers to use and write their own songs. You have a chance to spread your message at a conference of teachers at a California Professional Development Day. In your presentation, you may want to include some examples of how songs are used to teach. You will want to adapt a children's tune for teaching purposes to demonstrate how to create educational songs.

### **Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):**

1. Why should songs be a part of the curriculum?
2. How do songs help students learn?
3. Where can teachers find tunes to use for their songs?
4. What types of music do you think are best for learning?
5. Survey students to see what songs helped them learn.
6. Are there some learning songs used internationally?
7. Interview some teachers that create their own musical learning songs.
8. How can these songs be shared with others?
9. What visual representation or movements should go with the song?
10. What are some basic elements that go into a good learning song?
11. Test out a set of songs with other students to see which ones they think are best for learning.

### **Possible Sources**

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and

Internet links for additional resources are on page 2 of this scenario.

### **Bibliography**

Be sure to have a printed bibliography to hand to the judges before you begin your presentation. You are encouraged to cite all of your sources including graphics. A simple web tool to organize your bibliography can be found at <http://citationmachine.net/>.

## Grade 4 2008 Resources

### Schoolhouse Rocks

MuSICA Research Notes: V II, I 2, Fall 1995

[www.musica.uci.edu/mrn/V2I2F95.html](http://www.musica.uci.edu/mrn/V2I2F95.html)

Dr. Wolff goes on to argue that the case for music education can be strengthened if it has nonmusical benefits to students, be they in academic subjects, social and emotional adjustments or physical development. I would add to the list general cognitive and intellectual growth.

Songs for Teaching Grammar, Punctuation, and Spelling

[www.songsforteaching.com/grammarspelling.htm](http://www.songsforteaching.com/grammarspelling.htm)

Language Arts Songs that Teach

English Grammar, Punctuation, and Spelling

This is a commercial site that has some examples.

HEALTH PARENT MUSIC AND KIDS\_PVHS\_JULY07

[vic.pvhs.org/pls/portal/docs/PAGE/PVHS/PVHS\\_DOC...](http://vic.pvhs.org/pls/portal/docs/PAGE/PVHS/PVHS_DOC...)

Want Your Kids to Do Better in Math or Reading? Try Music!

Article about music and developing part of the brain.

Educational CyberPlayGround: Teaching Reading Through Song

[www.edu-cyberpg.com/Culdesac/ReadingModule/Munr...](http://www.edu-cyberpg.com/Culdesac/ReadingModule/Munr...)

Last year, Munro conducted a research project with third graders behind in their reading levels. Teaching reading through songs improved the students' accuracy, phrasing and fluency in reading, she said.

Using Music to Improve Listening Comprehension Skills

[www.language-learning-advisor.com/using-music-t...](http://www.language-learning-advisor.com/using-music-t...)

Includes some criteria of what makes a good song for learning.

Music and Learning by Chris Boyd Brewer

[www.newhorizons.org/strategies/arts/brewer.htm](http://www.newhorizons.org/strategies/arts/brewer.htm)

Research continues to be conducted to provide helpful guidelines for our intentional use of music, especially in the classroom. This article, based on extensive research and experiences, will provide you with successful and valuable guidelines for incorporating music into the teaching and learning environment-- applicable to all ages and educational settings.

This is a foundational article for this topic.

Food Chain: Science Song for Teaching About the Food Chain

[www.songsforteaching.com/kathleencarroll/foodch...](http://www.songsforteaching.com/kathleencarroll/foodch...)

Listen to this song to find the secret of energy on this planet! How does this energy get used over and over?

Follow the food chain among plants and animals in the ocean and in a fast food restaurant. How might this transfer take place in a forest?

This is an example of a song used to teach science.

Language Arts Songs: Music That Builds Reading & Writing Skills

[www.songsforteaching.com/reading.htm](http://www.songsforteaching.com/reading.htm)

Songs for Building Reading & Language Arts Skills  
Has some examples of songs that can be played.

## History Sings

### ***Scenario:***

From the colonial era to the present day, songs have been an integral part of our nation's history. Your team is composed of history and music professors that are joining together to raise awareness in schools about the important role of music in United States history. You are addressing a teacher's convention with the purpose of convincing teachers that they should include historically important songs in their curriculum. In your presentation, your team will focus on two songs that helped in shaping and defining our past. Consider choosing two different types of songs for your presentation.

### ***Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):***

1. Why should songs be a part of history classes?
2. How do songs help to define our nation?
3. Describe the songs you have chosen and tell why they are important.
4. What is the history behind the creation of these songs?
5. What musical styles do they represent and can they traced back to another country?
6. What do these songs tell us about this period of history?
7. When did the songs become popular and why?
8. Are there different versions of the songs?
9. Who were the composers of the songs and what do we know about them?
10. Compare on the impact these songs made in history?
11. Are the songs still a part of today's media and has the meaning changed?

### ***Possible Sources***

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and

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### ***Bibliography***

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## Grade 5 2008 Resources

### History Sings

American Memory from the Library of Congress - Browse by Category

[memory.loc.gov/ammem/browse/ListSome.php?catego...](http://memory.loc.gov/ammem/browse/ListSome.php?catego...)

Performing Arts, Music: 33 collections

Lots of information on music including actual recordings from different periods in American History

Patriotic Music

[www.ilovewavs.com/Holidays/July4/july4.htm](http://www.ilovewavs.com/Holidays/July4/july4.htm)

Lots of songs by a variety of artists.

Music of the United States - Wikipedia, the free encyclopedia

[en.wikipedia.org/wiki/Music\\_of\\_the\\_United\\_States](http://en.wikipedia.org/wiki/Music_of_the_United_States)

The United States has produced many popular musicians and composers in the modern world. Beginning with the birth of recorded music, American performers have continued to lead the field of popular music, which out of "all the contributions made by Americans to world culture. Provides an overview of U.S. music with lots of links.

American patriotic music - Wikipedia, the free encyclopedia

[en.wikipedia.org/wiki/American\\_patriotic\\_music](http://en.wikipedia.org/wiki/American_patriotic_music)

**American patriotic music** is a part of the culture and history of the United States since its founding in the 18th century and has served to encourage feelings of national unity. This has lots of links and general explanations.

Popular Songs in American History

[www.contemplator.com/america/index.html](http://www.contemplator.com/america/index.html)

The tunes here were not all written by Americans, but are songs that were known in America. Most songs of the Colonial and Revolutionary Era were songs that originated in England, Scotland and Ireland and immigrated with their people.

Has midi tunes of a lot of songs divided by eras and events. Includes the lyrics and some history of each song.

Welcome to Voices Across Time

[www.voicesacrosstime.org](http://www.voicesacrosstime.org)

*Voices Across Time* was created to help teachers harness the power of song as primary source to supplement any secondary American Social Studies, Language Arts, and Music curriculum.

This is a commercial product but has some ideas as to why music should be a part of teaching.

Songs in American History

[history.sandiego.edu/GEN/snd/a-songlist.html](http://history.sandiego.edu/GEN/snd/a-songlist.html)

Has a list of songs and their histories.

## Mood Music Makes Cents

### **Scenario:**

Your team has formed a consulting firm that provides musical solutions for businesses. You are experts on the use of music to improve the shopping experience of customers and thereby improve sales. You have been invited to compete for the role of keynote speaker for a nationwide business trade show. The show organizers would like to see a multimedia presentation demonstrating the importance of music in building sales, atmosphere and relationships with customers, as well as how copyright law affects the use of music. They would like to see examples of how music has enhanced a variety of businesses. They would also like to hear what your research has discovered about the use of music in our local area.

### **Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):**

1. Why should businesses use music?
2. How does music affect people in stores and other types of businesses?
3. Provide samples of music for a variety of settings.
4. What musical styles work for various kinds of retail settings?
5. How does the age group of the audience affect the music chosen?
6. What does “royalty free” mean?
7. What is the cost of music for business use?
8. What does copyright law say about using music?
9. What do customers say about the music they hear in stores?
10. Conduct research on what types of music are being played in local stores.

### **Possible Sources**

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and  
Internet websites: Talk to business managers about why they use music. Do a survey of  
customers in business that uses music. Email music professors with questions about this topic.

Internet links for additional resources are on page 2 of this scenario.

### **Bibliography**

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## Grade 6 2008 Resources

### Mood Music Makes Cents

Muzak Sound Case Studies - Background Music Systems for Retail, Restaurant & Resort  
[sound.muzak.com/case\\_studies](http://sound.muzak.com/case_studies)

Check out these client profiles, to see examples of Muzak's audio design, commercial sound system and audio/visual design solutions at work.

This page has links to five case studies of how the company accommodated the needs of a client.

music.muzak.com

[music.muzak.com/assets/pdf/The-Positive-Impact.pdf](http://music.muzak.com/assets/pdf/The-Positive-Impact.pdf)

Research demonstrates the positive impact music can have in a business environment.

This site has good information on the effects of music on consumers along with a list of resources.

ScienceDirect - Journal of Business Research : Occasion influence on the role of music in  
[www.sciencedirect.com/science?\\_ob=ArticleURL&u...](http://www.sciencedirect.com/science?_ob=ArticleURL&u...)

The study reported provides empirical support for the notion that when music is used to evoke emotions congruent with the symbolic meaning of product purchase, the likelihood of purchasing is enhanced.

This site is only the abstract.

#### Muzak

<http://sound.muzak.com/solutions/commercial/>

Commercial site: This page gives the company's rationale for using music in business settings.  
Comment

#### Music Dystopia

<http://www.musicdystopia.com/2007/08/legal-use-of-music-in-retail-store.html>

This site is a blog. The author discusses the legal restrictions on playing music in retail stores. Readers log in and offer comments.

## Be Instrumental in Crafting Music

### **Scenario:**

Your team represents a business that makes handcrafted musical instruments, specializing in one instrument. You take great pride in this instrument and want to encourage future music students to consider your instrument as an option. You have the opportunity to speak to an assembly of students, all of whom are interested in becoming musicians. The school district music teachers have asked you to give a multimedia presentation introducing your instrument to the students. Your goal is to educate the students about your instrument and its importance in music. You are allowed to bring an instrument to the presentation for demonstration purposes.

### **Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):**

1. Why did your company choose to specialize in this particular instrument?
2. Provide a history of the instrument including its invention and inclusion into the music world.
3. Explain the physics of how your instrument produces sound.
4. Why is your instrument an important part of music?
5. What musical pieces showcase the instrument?
6. Provide demonstrations of your instrument being played in actual performances.
7. Who are some famous musicians who play (or played) the instrument?
8. Interview people that play your instrument.
9. How long does it take to learn the instrument?
10. What advice can you give for becoming an accomplished musician with your instrument?
11. Provide information on how best to care for the instrument.

### **Possible Sources**

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and  
Internet websites: Talk to people who work in music stores. Do a survey of musicians who do play the instrument. Email music professors with questions about the instrument.

Internet links for additional resources are on page 2 of this scenario.

### **Bibliography**

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## Grade 7 2008 Resources

### Be Instrumental in Crafting Music

Musical Instrument Acoustics

[hyperphysics.phy-astr.gsu.edu/hbase/Music/musin...](http://hyperphysics.phy-astr.gsu.edu/hbase/Music/musin...)

This site has a lot of links to information about specific instruments.

Musical instrument - Wikipedia, the free encyclopedia

[en.wikipedia.org/wiki/Musical\\_instrument](http://en.wikipedia.org/wiki/Musical_instrument)

This site provides an overview with links to a variety of instruments.

Musical Instrument Chart

[www.dsokids.com/2001/instrumentchart.htm](http://www.dsokids.com/2001/instrumentchart.htm)

Four different families of musical instruments are present in a symphony orchestra. members of the families are 'related' by the similar ways in which they produce sound.

This site includes short demonstration recordings including pictures.

CHICO Instrument Encyclopedia

[www.si.umich.edu/chico/instrument](http://www.si.umich.edu/chico/instrument)

The purpose of this site is to allow you to explore the diversity and creativity of musical traditions as you browse our gallery or search for a favorite instrument.

This site includes sounds and information on instruments.

Music Theory

[library.thinkquest.org/15413/instruments/instru...](http://library.thinkquest.org/15413/instruments/instru...)

Welcome to the Musical Instruments page! There are many instruments that you can play in an orchestra or a band. Read about them here.

## Music, Movies and Moods

### **Scenario:**

Your team is a group of film-making professionals including producers, directors, sound editors, and composers. You have been asked to speak to a college class of aspiring movie makers. The professor has asked you to give a multimedia presentation introducing the students to the role that music plays in film making.

### **Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):**

1. What role does music play in creating an emotional response?
2. What kind of music would you choose for various movie genres?
3. How does the use of well known emotionally laden music affect a movie?
4. What are the advantages and disadvantages of using music specially created for a movie?
5. What are the advantages and disadvantages of using popular music?
6. Create a short clip and show how a variety of music affects the same scene differently.
7. Select some well-known sound clips and discuss their emotional impact.
8. Discuss scoring a film and selecting accompanying music.
9. Who are some famous composers that specialize in movies?
10. What are some movies that demonstrate excellence in using music?
11. Do a response survey with people by playing famous movie music.

### **Possible Sources**

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and  
Internet websites: Email movie makers. Do a survey of musicians. Email music professors with questions about the topic.

Internet links for additional resources are on page 2 of this scenario.

### **Bibliography**

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## Grade 8 2008 Resources

### Music, Movies and Moods

YouTube - Editing Changes Everything: Music's Effect on Mood

[www.youtube.com/watch?v=vpnaHUKdWfY](http://www.youtube.com/watch?v=vpnaHUKdWfY)

Editing Changes Everything: Music's Effect on Mood

Movie Making Manual/Music - Wikibooks, collection of open-content textbooks

[en.wikibooks.org/wiki/Movie\\_Making\\_Manual-Music](http://en.wikibooks.org/wiki/Movie_Making_Manual-Music)

Many people do not understand just how important music is so you definitely need someone with experience.

Information is provided on adding music to your movie.

Sound Track: Mood Music

[www.videomaker.com/article/7319](http://www.videomaker.com/article/7319)

Though you may have never thought of it as such, music is a powerful force.

BFI | Sight & Sound | The Best Music in Film

[www.bfi.org.uk/sightandsound/filmmusic/scoring.php](http://www.bfi.org.uk/sightandsound/filmmusic/scoring.php)

"Music is a big factor in helping the illusion of the film come to life. The same way music brings back different periods of our lives."

Quotes from famous directors regarding the importance of music in movies.

Emotion and the Film Scores

[www.e-filmmusic.de/emotion\\_film\\_scores/emotion\\_...](http://www.e-filmmusic.de/emotion_film_scores/emotion_...)

This paper discusses some common assumptions made about the emotional effects of film scores and outlines several empirical studies that could be performed in order to test these assumptions.

How Does Music Affect Emotions? - Associated Content

[www.associatedcontent.com/article/226000/how\\_do...](http://www.associatedcontent.com/article/226000/how_do...)

Our emotions are triggered by many things. One of those things is Music.

Case Studies

[web.archive.org/web/19970516041728/citd.scar.ut...](http://web.archive.org/web/19970516041728/citd.scar.ut...)

This is the main index for the three case studies.

Movies' Best Opening Scenes: Music Sets the Mood in the Film P.S. I Love You

[romantic-films.suite101.com/article.cfm/movies\\_...](http://romantic-films.suite101.com/article.cfm/movies_...)

Music accompanies visuals but also moves plot along, provides character clues and reveals setting.

This article describes the importance of music in creating mood.

The Aesthetics of Film Music

[web.archive.org/web/19970516041845/http://citd....](http://web.archive.org/web/19970516041845/http://citd....)

What is it, exactly, that music contributes to a film?

## Musical Memories

### ***Scenario:***

Your music company, a collection of music specialists and history experts, is trying to land a contract with a public broadcasting company. The company is creating a series of documentaries on different eras in history. They plan on using a visual style made famous by Ken Burns in his documentary on the Civil War. They are looking for a music company that understands the importance of music in enhancing the meaning of the visuals as well as an understanding of historical music. The show's producer and director have asked your firm to make a presentation on a short documentary that you have created that uses the Ken Burns Effect. They suggest you choose a period of history and draw from the music of that era. Emphasize how the music is tied to that time period.

### ***Possible topics to cover (these are only suggestions and are not a requirement for a superior presentation):***

1. Describe the "Ken Burns Effect" and why it is effective.
2. What are some documentaries that demonstrate excellence in using music?
3. What kind of music would you choose for various purposes and why?
4. Provide background to the music you selected including its history and the composer.
5. How do lyrics provide information and reveal life at the time?
6. How does music make you empathize with people in the documentary?
7. Experiment with different music on the same scene and provide audience responses.
8. What role does music play in creating an emotional response?
9. How does music help an audience understand a message on a deeper level?
10. How does music help reveal time period, geographic location and culture?

### ***Possible Sources***

Newspapers, historians, music teachers, videos, CD's, encyclopedias, history textbooks  
Facts on File, United Streaming, Associate Press Extensive Photo Archive and  
Internet websites: Email TV producers. Do a survey of musicians. Email music professors with questions about the topic.

Internet links for additional resources are on page 2 of this scenario.

### ***Bibliography***

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## Grade 9-12 2008 Resources

### Musical Memories

Ken Burns Effect - Wikipedia, the free encyclopedia

[en.wikipedia.org/wiki/Ken\\_Burns\\_Effect](http://en.wikipedia.org/wiki/Ken_Burns_Effect)

The **Ken Burns Effect** is a popular name introduced by Apple Computer in 2003 for a feature in its iMovie 3 software. The feature enables a widely used technique of embedding still photographs in motion pictures, displayed with slow zooming and panning effects, and fading transitions between them. The name derives from extensive use of the technique by American [documentarian Ken Burns](#).

Songs in American History

[history.sandiego.edu/GEN/snd/a-songlist.html](http://history.sandiego.edu/GEN/snd/a-songlist.html)

Songs in American history organized by time period.

Timely Tunes

[www.voicesacrosstime.org/TimelyTunes/TimelyTune...](http://www.voicesacrosstime.org/TimelyTunes/TimelyTune...)

Musicologists hand-pick songs related to the season or current events.

For ease in planning, we archive them here!

The Aesthetics of Film Music

[web.archive.org/web/19970516041845/http://citd...](http://web.archive.org/web/19970516041845/http://citd...)

What is it, exactly, that music contributes to a film? Discussion of how music can contribute to a film, e.g., creating a sense of time and place, a feeling of continuity, etc.

Sound Track: Mood Music

[www.videomaker.com/article/7319](http://www.videomaker.com/article/7319)

Though you may have never thought of it as such, music is a powerful force.

Informative article on the importance of music in movies.

Movie Making Manual/Music - Wikibooks, collection of open-content textbooks

[en.wikibooks.org/wiki/Movie\\_Making\\_Manual-Music](http://en.wikibooks.org/wiki/Movie_Making_Manual-Music)

Movie Making Manual/Music

Lots of information about adding music and sounds to movies.

YouTube - "Ken Burns Effect" demonstration

[www.youtube.com/watch?v=nNTiyRDhIRY](http://www.youtube.com/watch?v=nNTiyRDhIRY)

"Ken Burns Effect" demonstration

No sound, Civil War

YouTube - Ken Burns on the "Ken Burns Effect"

[www.youtube.com/watch?v=hkZo7kqpd14](http://www.youtube.com/watch?v=hkZo7kqpd14)

Ken Burns talks about the "Ken Burns Effect."

YouTube - Editing Changes Everything: Music's Effect on Mood

[www.youtube.com/watch?v=vpnaHUKdWfY](http://www.youtube.com/watch?v=vpnaHUKdWfY)

Entertaining piece on use of music

American Memory from the Library of Congress - Home Page

[memory.loc.gov/ammem/index.html](http://memory.loc.gov/ammem/index.html)

Browse collections by topic; some have music related to periods of American history.