

# History and Impacts of the Telephone

Adapted from: [http://library.mtsu.edu/tps/lessonplans&ideas/Lesson\\_Plan--Invention\\_of\\_the\\_Telephone.pdf](http://library.mtsu.edu/tps/lessonplans&ideas/Lesson_Plan--Invention_of_the_Telephone.pdf) (to make all worksheets electronic templates)

In this unit you will research and discuss the telephone, its origin, its innovations, its advantages and disadvantages, and how it has shaped today's society. You will explore the design process of Alexander Graham Bell and will construct a timeline of the development and innovations of the telephone. Finally you will brainstorm questions regard what life would be like without cell phones or telephones and what you believe might be the future of the telephone.

Essential Questions:

How has the invention of the telephone changed society? And how have telephone innovation impacted society over time?

Resources:

Alexander Graham Bell's design sketch of the telephone, ca. 1876

[http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field\(DOCID+@lit\(mcc/004\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field(DOCID+@lit(mcc/004)))

Model of Bell's Telephone

<http://www.loc.gov/pictures/item/det1994022913/PP/>

Prints and Photographs Online Catalog

<http://www.loc.gov/pictures/>

How the Telephone Works Resource 1

<http://electronics.howstuffworks.com/telephone.htm>

How the Telephone Works Resource 2

<http://www.connected-earth.com/learningresources/Howitworks/Telephone/Howthetelephoneworks/index.htm>

How to Save and Print

[http://library.mtsu.edu/tps/tools/How\\_to\\_Save\\_&Print.pdf](http://library.mtsu.edu/tps/tools/How_to_Save_&Print.pdf)

Complete the Electronic Picture Analysis Worksheet, Electronic Bell's Telephone Worksheet, Electronic Timeline Worksheet, and the Electronic What's Next Worksheet on next four pages.

# PICTURE ANALYSIS WORKSHEET

Name: [Click here to enter text.](#)

Instructions:

Go to [http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field\(DOCID+@lit\(mcc/004\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field(DOCID+@lit(mcc/004))) and answer the questions below using your own words and correct grammar and spelling.

1. What do you observe in the sketch? [Click here to enter text.](#)
2. What do you think this is a sketch of? [Click here to enter text.](#)
3. What questions do you have about the sketch? (List at least four)[Click here to enter text.](#)
4. What do you already know about the object in the sketch? [Click here to enter text.](#)

# BELL'S TELEPHONE WORKSHEET

Name: Click here to enter text.

Instructions: Answer the following questions in your own words and use correct grammar and spelling.

1. Go to [http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field\(DOCID+@lit\(mcc/004\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/mcc:@field(DOCID+@lit(mcc/004)))

Read the passage and answer these questions:

- a. What is the sketch of? Click here to enter text.
- b. Who drew the sketch? Click here to enter text.
- c. When was it drawn? Click here to enter text.
- d. What does the inscriptions (an inscription is a written, engraved, or printed word or words to serve as a lasting record) at the top of the page say? Click here to enter text.
- e. From the middle of the drawing, briefly explain how this telephone works. Click here to enter text.

2. Go to <http://www.loc.gov/pictures/item/det1994022913/PP/> . Compare and contrast this photographed telephone apparatus with the third drawing on Bell's sketch.

Similarities:

Click here to enter text.

Differences:

Click here to enter text.

3. Go to <http://www.connected-earth.com/learningresources/Howitworks/Telephone/Howthetelephoneworks/index.htm> . Read the introduction to "How the Telephone Works," then scroll down and work through the activities. Then, complete the sentences below:

Click here to enter text. are transformed into Click here to enter text. by vibrating a Click here to enter text. and Click here to enter text. that complete an electrical circuit in the microphone.

The speaker, or receiver, contains an Click here to enter text. that creates a Click here to enter text. from the electrical current, which vibrates a Click here to enter text. creating sound waves.

# TIMELINE WORKSHEET

Name: [Click here to enter text.](#)

## Instructions:

1. Go to <http://www.loc.gov/pictures/> .
2. In the search box, type "telephone" and click "Go"
3. Above your search results, locate the center box next to "Larger image available anywhere." Click that box.
4. On the right side, there is a "View" selection. Click on "Gallery"
5. Scroll through the picture and select at least 6 different images of telephones from your search results.
6. Save the images in your X:/ drive
7. Go to [http://library.mtsu.edu/tps/tools/How\\_to\\_Save\\_&\\_Print.pdf](http://library.mtsu.edu/tps/tools/How_to_Save_&_Print.pdf)
8. Open a Microsoft Word document and title it "Telephone Timeline". Put your name and today's date at the top.
9. Insert images into your document and type a brief description including the style of the telephone, the date or approximate date of production, and any other relevant information. Make sure you order the pictures chronologically (in numerical order by date)
10. Save your timeline in your x:/drive. (The filename should be telephone timeline)

# WHAT'S NEXT WORKSHEET

Name: [Click here to enter text.](#)

Instructions: Answer the following questions. Be prepared to share your ideas with the class.

1. How would your life be different if the cell phone had never been developed?  
[Click here to enter text.](#)
2. How would your life be different if the telephone had never been invented? How would you communicate?  
[Click here to enter text.](#)
3. What do you think may be the next phase in telephone communication development?  
[Click here to enter text.](#)