

Summative Assessment 3 for Inventions and Inventors

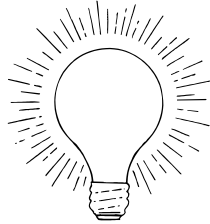


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Assessment Title: Summative Assessment 3 for Day 11
Assessment Form: Summative
Type of Assessment: (Constructed Response, Selected Response, and Performance Response)

Duration: 30 minutes

Standard (s) Assessed: LA.A.2.2.5.3.1, LA.A.2.2.8.3.1, LA.B.2.2.3.3.1, SS.A.1.2.3.3.1, SS.A.3.2.1.3.1, SS.A.3.2.1.3.2, SC.H.3.2.3.3.1

Description of Assessment Activity: This is a written assessment that includes performance, constructed, and selected responses.

Teacher Directions:

1. Distribute copies of Summative Assessment 3 to students.
2. Instruct students to write their names and the date on them.
3. Tell students to listen as you read over the directions for each section.
4. Read the directions for each section of the assessment and explain how students are to respond. For item #3, direct student attention to an area in the classroom where information about inventors/inventions is displayed (i.e., Great Invention Summaries, Interview Projects, or class timelines). Students are to read one of these references to perform item #3.
5. Ask students if they have any questions.
6. Establish with students what they are to do if they finish before others and where they are to place their completed papers.
7. Remind students that they will receive a grade on this assessment. Encourage them to do their best work.
8. Tell students they may begin.
9. Walk around the room and monitor students as they complete the assessment.
10. Take up the papers.

Student Directions:

1. Put your name and today's date on your paper.
2. Listen as I read the directions for each section to you. (Read directions aloud for each section and explain how students are to respond.)
3. Are there any questions?
4. Remember, you will receive a grade on this assessment. Take your time and do your best work.
5. You may begin.

Scoring Method and Criteria: There are a total of 100 points. Each question counts 10 points.

Summative Assessment 3
Inventions and Inventors

Name _____ Date _____

1. Read:

Charles and Frank Duryea invented the gasoline automobile. Gasoline automobiles really changed the way we live. Gasoline automobiles made land travel easier and faster.

Use the information you read in the paragraph above to complete the chart below:

Inventor(s)	Invention	Impact

(LA.A.2.2.5.3.1, LA.B.2.2.3.3.1, Information Managers)

2. Read:

Space travel began with the invention of the liquid fuel rocket by Robert Goddard in 1926. The rocket allowed man to explore the earth's atmosphere and learn more about it.

Use the information in the paragraph above to complete the chart below:

Inventor(s)	Invention	Impact

(LA.A.2.2.5.3.1, LA.B.2.2.3.3.1, Information Managers)

3. Read information on one of the references displayed in our classroom about inventors and inventions to complete the chart below:

Inventor	Invention	When was it invented?

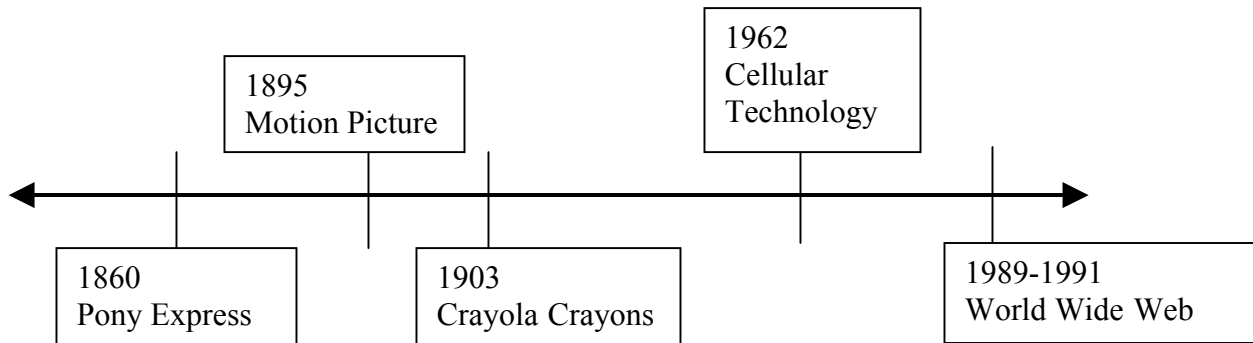
(LA.A.2.2.8.3.1, LA.B.2.2.3.3.1, Information Managers)

4. Tell how the invention of the **television** has helped our lives. Tell how the invention of the television has hindered (or hurt) our lives. (SS.A.3.2.1.3.2, SC.H.3.2.3.3.1, Critical and Creative Thinkers)

5. Tell how the invention of the **World Wide Web** has impacted (or changed) our lives. (SS.A.3.2.1.3.2, Critical and Creative Thinkers)

6. Tell how the invention of **plastic** has helped or hindered progress regarding **human health** and **lifestyles**. (SS.A.3.2.1.3.2, SCH.3.2.3.3.1, Critical and Creative Thinkers)

Look at the timeline below. Then answer the questions.
 (SS.A.1.2.3.3.1, Information Managers)



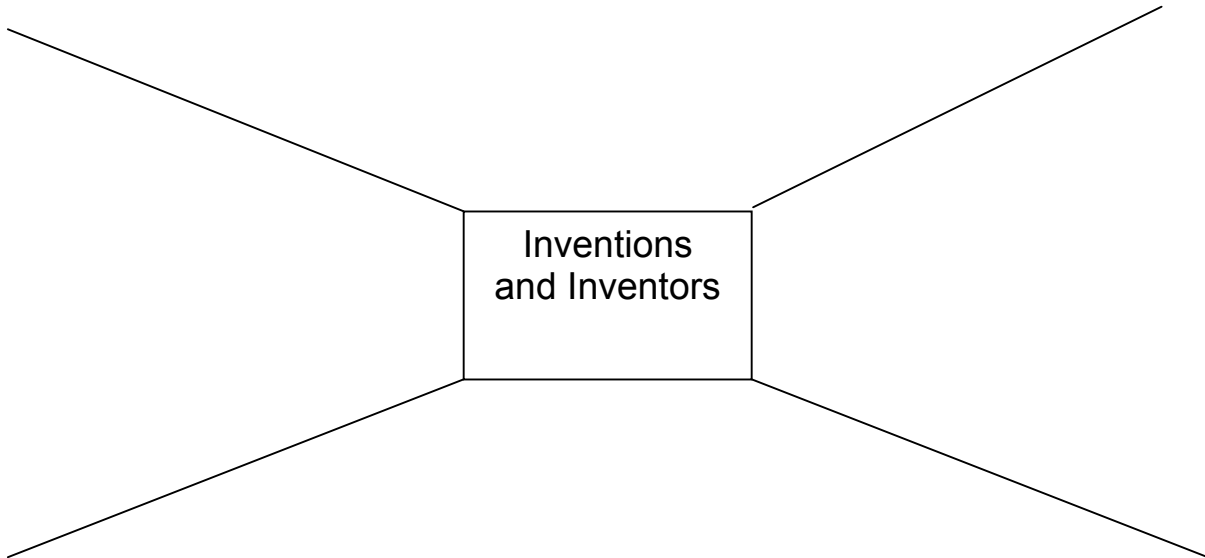
7. When was the World Wide Web invented? _____

8. Which was invented first the motion picture or Crayola crayons?

9. Write the letter of the invention beside the name of the inventor.
 (SS.A.3.2.1.3.1, Information Managers)

Inventor	Invention
Samuel Morse _____	A. Television
Wilbur and Orville Wright _____	B. Telegraph
Philo Farnsworth _____	C. Airplane

10. Complete the web below by adding details of what you have learned about inventions and inventors on the lines. You can add more lines if needed. (LA.B.2.2.3.3.1, SS.A.3.2.1.3.1, SS.A.3.2.1.3.2, Information Managers, Critical and Creative Thinkers)



Summative Assessment 3 Key

1.

Inventor(s)	Invention	Impact
Charles and Frank Duryea	Gasoline automobile	Made land travel faster and easier.

2.

Inventor(s)	Invention	Impact
Robert Goddard	Liquid fuel rocket	Began space travel or allowed man to explore the earth's atmosphere and learn about it.

3. Student responses should accurately reflect the facts provided on a reference displayed in the classroom.

4. Accept all reasonable responses. Possible responses might include:

- Television provides entertainment.
- Television can keep us from doing other activities that might be more beneficial to us.
- Television provides a means of communicating.

5. Accept all reasonable answers. Possible responses might include:

- The WWW has made it easy to communicate all over the world.
- The WWW has made a lot of information available in a quick way.
- The WWW has made it dangerous for kids to be exposed to bad material.

6. Accept reasonable answers. Possible responses might include:
- Many tools that improve our medical care are made of plastic.
 - Many everyday items are made more available and durable because they are made with plastic.
 - Plastic production requires use of petroleum, a natural resource.
 - Plastics are hard to dispose of and can cause pollution.

7. 1989-1991

8. Motion picture

9. B, C, A

10. Accept all reasonable responses. Students should write to record information they have learned about inventions and inventors on the graphic organizer. The recorded information should be accurate according to information gathered in class activities, class discussions, class timelines, and class charts about inventions and inventors.