Industrial Revolution Inventions Project

Project Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Invention I’m Researching Is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions:** As we have learned in class new technology and inventions during the Industrial Revolution have changed the lives of countless Americans. For this project you are being asked to research an invention and think about the following: How have inventions changed our world? Why did some inventions earn fame while others are forgotten? How have early inventions changed through time?

Each student will be assigned an invention to research. We will be given class time to research the topic but work must be done outside of class also. Each student will need to find the following information about their invention and describe each of the following aspects in well-structured and detailed paragraphs.

**Who: 10 points**

* Who is responsible for inventing the invention?
* What was the background of the person or people who invented the device?
* Did more than one person claim to be the inventor of the device?
* If a group of people invented the device, what can you find out about each of the people, or institutions credited with the invention?

**Why and What: 20 points**

\*\* Some inventions will allow you to separate these into two sections because the original purpose of the invention is different from what it actually is used for today. You may keep these two sections separate or blend the two.

* Why did the inventor invent this device/ what was its purpose?
* What events led to the invention?
* Has the intended purpose of the invention changed since it was originally invented? If so how has the purpose of the invention changed?
* What was the invention used for?
* Is the invention still being used today?
* How has the invention changed over time?
* What impact did the invention have on other industries?

**Where: 10 points**

* Where was the invention invented, and where is it used today?
* Where has the invention been used throughout history?

**When: 10 points**

* When was the invention invented?
* Was the development a long process of did it happen at one time?
* What year or years was a patent issued/ renewed?

**How: 10 points**

* How has this invention had an impact on your life and society?

**Bibliography: 5 points**

* At least 3-4sources must be used for this project.
* These sources must be cited using the correct MLA format.
* Try to use at least 1 or 2 primary sources.

**Diagram: 10 points**

* At least one hand drawn **labeled** diagram of the invention you were assigned must be included as part of your project.

**Cover Page: 5 points**

* A cover page with a title and **1** to **2** additional hand drawn pictures or computer generated pictures
* Name, Teacher, Hour and Date must also be on your final cover.

**My Score: \_\_\_\_\_\_ out of 80 points**

**Sample List of Possible Topics – Students can have other inventions approved by the teacher.**

* 1. Air bags
  2. Air conditioning
  3. Air plane
  4. Apple Computer
  5. Artificial Heart
  6. Assembly Line
  7. Astro-Turf
  8. Atari
  9. Atomic Energy
  10. Automobile
  11. Bessemer Steel Process
  12. Braces (teeth)
  13. Calculator
  14. CD
  15. CD Player
  16. Cell Phone
  17. Concrete
  18. Crash test dummies
  19. Diesel Engine
  20. Dishwasher
  21. DVD
  22. DVD Players
  23. Dynamite
  24. Electric Chair
  25. Electric Generator
  26. Elevator
  27. Email
  28. Escalator
  29. Fiber Optic Cable
  30. Game Systems
  31. Gasoline
  32. GPS (Global Positioning System)
  33. Halogen Lights
  34. Helicopter
  35. Highways
  36. Hovercraft
  37. HTML
  38. Internal Combustion Engine
  39. Internet
  40. Jet Engine
  41. Land-line Telephone
  42. Laser
  43. Light bulb
  44. Microchip
  45. Microprocessor
  46. Microwave Oven
  47. Morse Code
  48. Motorcycle
  49. MP3 player
  50. Nintendo
  51. Pager
  52. smartphone
  53. Personal Computer
  54. Personal Computer (IBM Version)
  55. Polio Vaccine
  56. Radar
  57. Sewing Machine
  58. Steam Engine
  59. Telegraph
  60. Television
  61. Tires
  62. VCR
  63. Video camera
  64. X Box
  65. Zipper

**Social Studies Content Rubric – Invention Project**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trait** | **1 = Emerging** | **2 = Developing** | **3 = Proficient** | **4 = Advanced** |
| **Summarizes Information** | Restates information in sketchy manner. Sticks mostly to isolated facts. Omits many possibilities when compiling a list on a subject. | Recognizes most major ideas on a topic. Omits relevant facts when restating information. Misses obvious connections between details and concepts. | Restates ideas in concise form. Extracts main ideas from details. Combines concepts into a conclusion. Outlines main and subordinate ideas. | Compiles information from more than one text on a subject. Presents summary of information from several sources. |
| **Analyzes Information** | Confuses main and subordinate ideas. Is unwilling to question opinions. Places similar emphasis on information from all sources (Enquirer / Encyclopedia). | Makes sketchy outlines. Confuses relevant and irrelevant facts when supporting central point of view. Sticks to literal meaning of readings. Recognizes few similarities and differences between concepts. Forms opinions with limited info. | Indicates facts that support central point of view. Detects bias in data. Compares and contrasts different concepts as well as the same concept at different times in history. Compares and contrasts differing accounts of same event. Forms an opinion based on examination of information. | Organizes research according to concepts, questions and themes. Examines and criticizes information. Compares and contrasts credibility of differing accounts of the same event. Analyzes historical fiction. Forms own opinion and begins to recognize bias in others’ opinions. |
| **Interprets Information** | Draws inferences only to support own point of view. Becomes argumentative or withdraws when presented with alternative interpretations. Makes prediction with no basis on fact. Literal level perspective. | Draws obvious inferences from facts, but is slow to recognize the more subtle implications of an idea or fact. Offers a single prediction based on limited facts. Draws inferences based on limited sources (Encyclopedia only). Has difficulty grasping the message of political art. | Draws a variety of inferences based on a variety of sources. Predicts likely outcomes based on fact. Interprets social and political messages in cartoons and works of art and in community activism. | Recognizes instances in which more than one interpretation of factual material is valid. Predictions are reasonable and likely. Create cartoons or works of art to express a political idea/concept. |

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| --- | --- | --- | --- | --- |
| **Breadth** | Oral Presentation, Paper and/or quiz reflects 50 – 69% understanding of fundamental information related to topic | Oral Presentation, Paper and/or quiz reflects 70 – 79% understanding of fundamental information related to topic | Oral Presentation, Paper and/or quiz reflects 80 – 89% understanding of fundamental information related to topic | Oral Presentation, Paper and/or quiz reflects 90 – 100% understanding of fundamental information related to topic |
| **Depth** | Research addresses social, political and/or economic impacts through the lens of one topic of choice, but is missing vital information. | Research demonstrates in depth understanding of social, political and/or economic impacts through the lens of one topic of choice | Research demonstrates in depth understanding of (2) social, political and/or economic impacts through the lens of one topic of choice | Research demonstrates in depth understanding of social, political and economic impacts through the lens of one topic of choice |
| **Accuracy** | Research contains more than 4 small and several significant errors in accuracy | Research contains 5 - 6 small, or several significant errors in accuracy | Research contains 3 - 4 small, or one significant error(s) in accuracy | Research contains 1 – 2 small errors in accuracy |