

Who's Who In Physics Presentation

To better understand the history and discoveries associated with physical science, you will create a Power Point a person associated with the science of physics. This project is to be completed in one week. Grading will be based on content, quality, and appearance. The following criteria must be fulfilled :

1. Choose one of the following scientists to study :

- See back side.

2. Scientist Picture Slide

- Include a picture (not too small) of the individual
- Name of the scientist should be the title
- Identify the life span of the scientist.

3. History Slide

- List five historical facts about the scientist
- Does not necessarily have to be science-based.
(Personal Life, Educational background, Special Awards, Etc.)
- Include a picture

4. Scientific Contribution Slide

- Identify major scientific contribution(s) that the scientist accomplished.
(Formulas, Concepts, Experiments, Theories, Studies, Etc.)
- List five facts
- Include a picture

5. Scientific Influence Slide

- Identify how the scientist's scientific contribution influenced the field of physical science.
(Pioneer for other discoveries, Work passed on to partner, Development of devices, Etc.)
- List five facts
- Include a picture

6. Interesting Facts

- List 5 general facts about the scientist
- Do not use "fluff" facts
- Include a picture

7. Literature Cited

- List 5 sources (pictures not necessary)
- Include a picture

8. Appearance

- Organize!, Organize!, Organize!
- Bullet information with "dot-jots" (DO NOT use large paragraphs or long sentences)
- Avoid "dead space" – Give the slide some symmetry

9. Presentation

- If you present, you get the points. If you do not present, you get zero points.

Famous Physicists

Andre Ampere – father of electrodynamics
Archimedes – studied hydrostatics and machines
Aristotle – developed the foundation for western scientific thought
Daniel Bernoulli – principle of fluid flow
Jean Baptiste Biot – studied the polarization of light
Neils Bohr – contributed to the quantum theory of physics
Max Born – pioneer in the theory of crystals
Robert Boyle – developed gas laws relating to pressure & volume
Tyco Brahe – extensively studied the stars for 20 years; witnessed a supernova
Sadi Carnot – founded the science of thermodynamics
Henry Cavendish – calculated the mass of the Earth
Sir George Cayley – “father of aviation”
Anders Celsius – developed the Celsius temperature scale
Jacques Charles – developed gas law relating volume and temperature
Nicholas Copernicus – developed the heliocentric model of the solar system
Charles Coulomb – studied the nature of forces between charges
Madame Curie – performed experiments on the nature of radioactivity
Christian Doppler – experimented with sound waves
Thomas Edison – invented a light bulb, phonograph, and motion picture camera
Albert Einstein – devised theories of special and general relativity
Daniel Fahrenheit – developed the Fahrenheit temperature scale
Michael Faraday – discovered electromagnetic induction
Benjamin Franklin – performed experiments with electric charge
Galileo Galilei – discovered the moons of Jupiter and phases of Venus
Joseph Henry – developed the first electric motor
Heinrich Hertz – discovered radio waves and the photoelectric effect
Robert Hooke – developed the law of elasticity
James Joule – determined the mechanical equivalent of heat
Lord Kelvin – proposed the absolute temperature scale
Johannes Kepler – identified the elliptical orbits of planets
Otto Lilienthal – pioneer in glider flight
Ernst Mach – studied objects moving at high speeds in fluids
Albert Michelson – discovered the speed of light
Robert Millikan – measured the charge on an electron (from this area)
Isaac Newton – developed theories of gravitation and mechanics
Hans Oersted – discovered current in wire can produce magnetic effects
Georg Simon Ohm – studied electrical resistance
Blaise Pascal – studied the pressure of fluids
Nikola Tesla – created alternating current
James Van Allen – discovered radiation belts surrounding Earth
Count Volta – invented the first battery
James Watt – invented the steam engine
Orville & Wilbur Wright – pioneers in manned flight
Thomas Young – studied the wave nature of light