



theHoustonMuseumofnaturalscience

8th Grade

Chemistry Hall, Discovery Place, Hall of African Wildlife, Wiess Energy Hall
Hall of Paleontology, Hall of Gems and Minerals, Solar System

Post field trip activities

Chemistry creates new substances to meet specific needs. For example, Spiderwire is a new type of fishing line that is strong, thin, resistant to stretching and resistant to damage from UV rays. If you were a chemist, what would you like to invent (or improve) and why? Include information about why you think the new (or improved) product is needed, and how it will benefit the world. Illustrate what your design would look like. Have another student evaluate the need for and practicality of your invention.



Do research about scientists who have made discoveries in the fields of chemistry, astronomy, or physical science. You may choose one on the list below or you may choose another scientist with the approval of your teacher.

Alfred Nobel, Lord Kelvin Thompson, Robert Wilhelm Bunsen, Anders Celsius, Stephanie Louise Kwolek, J. E. Lundstrom, Gertrude Elion, Dr. Solomon A. Berson, Dr. Rosalyn Sussman Yalow, Isabella Karle, Noah W. and Joseph S. McVicker, Jonas Salk, Leo Hendrik Baekeland, Gaston Plante, Jacques Edwin Brandenberger, John Pemberton, John Wesley Hyatt, Georges Audemars, Frank Henry Fleer, Edwin Binney and Harold Smith (look them up together), William Herschel, Edwin Perkins, Clarence Crane, Norbert Rillieux, James Wright, Jocelyn Bell, Stephen Hawking, Isaac Newton, J. Robert Oppenheimer, Joseph Priestley, Count Alessandro Volta, Nicolas Copernicus, Robert Boyle, Andre Marie Ampère, Pierre and Marie Curie, Albert Einstein, Evangelista Torricelli, Galileo.

Create a brochure to advertise the scientist's great discoveries or contributions. Include biographical information about the scientist. (As you create your brochure remember the time period in which your scientist lived because this will be important as you publicize the invention or discovery.)

At the Chemistry Hall, you made a list of **alloys** (brass, steel, pewter, bronze, stainless steel, sterling silver). Choose one alloy to research. Find information about how it was developed and what it has been used for throughout history. A display can be created to show the class how its uses have changed over time.