Postage stamps are an inexpensive and effective way of communicating ideas and are often issued by governments or postal authorities to commemorate events and educate the general public on a variety of topics, ranging from history and geography to art and literature. A number of stamps have also been issued to celebrate scientific discoveries or to honor well-known scientists and can be used as simple yet powerful teaching tools in the classroom or to illustrate technical presentations. This presentation will present an overview of postage stamps and other philatelic materials (e.g., first day covers, maximum cards, postmarks) related to chemistry, including atoms and molecules, minerals, symbols and formulas, the periodic table, famous chemists, biochemistry and various aspects of the chemical industry.