

- How to analyze the risk factors associated with natural, human induced, and/or biological hazards (waste disposal of industrial chemicals and greenhouse gases)
  - Know what the greenhouse effect is
  - Know what a carbon footprint is
  - Understand how we impact the Earth (How is your personal carbon footprint calculated?)
  - Be able to read news articles about current events and make conclusions of how they impact the ecosystems.
  - Be able to create, read, and analyze a risk-factor analysis chart
- How to create possible solutions to address the environmental risks associated with chemical and biological systems
- How to compare solutions to best address an identified need or problem
  - Be able to compare solutions
  - Be able to justify a solution choice
  - Be able to determine the best solution for a problem
- How to design and construct a solution to an identified need or problem using simple classroom materials
  - Be able to identify the basic constructs of paper making, creating cardboard, how plastics are recycled