

Investigation 3: Mixing Materials

This investigation will help you to:

- Learn more about chemical mixtures vs. physical mixtures.
- Learn more about alloys and their properties.
- Learn more about the relationship between concrete and cement.

To learn more about chemical mixtures vs. physical mixtures, visit the following web sites:

Mixtures, **Northwestern State University**

Get a basic introduction to mixtures by surfing this site. Visualizations of mixtures and links to related information on this site.

An online glossary, applications, and a quiz are offered, too.

Chemical and Physical Change, **Northwestern State University**

Access online videos of chemical and physical mixing by clicking on this link.

To learn more about alloys and their properties, visit the following web sites:

Composition and Physical Properties of Alloys, **Oliver Seely, Ph.D., Professor of Chemistry at CSU Dominguez Hills**

A table that presents the composition and physical properties of many common alloys.

To learn more about the relationship between concrete and cement, visit the following web sites:

Cement and Concrete Basics, **Portland Cement Association**

A wide range of information on concrete (i.e., components, hydration processes, and its different forms) is accessible to users by visiting this site.
