

## My Element Project

**Subject:** Technology/ Science

**Grade:** 6

**Time:** 2 class periods

**Group:** Whole Group and Small Group

**Standards:** NETS – Students 1a, 1b1, 1b2, 2a, 2b, 2c, 3a, 3b, 4b, 5a, 5b, 5c, 6a, 6b

**Performance Indicators:** All 6-8 Indicators

**Objective:** Students will create an element, define its characteristics, its atomic weight, number of electrons, neutrons and protons, and have a better understanding of how elements combine to create atomic structures. Students can use SMART Notebook to store their research and create their atom picture.

### Resources/Materials Needed:

SMART Notebook Activity (for [My Element Project](#)), Internet access, computer time to complete the activity,

#### Internet sites:

[http://www.chem4kids.com/files/elem\\_intro.html](http://www.chem4kids.com/files/elem_intro.html)

[http://www.chem4kids.com/files/atom\\_structure.html](http://www.chem4kids.com/files/atom_structure.html)

### Activities/Procedures:

#### Discuss:

- The Notebook Activities and the basic concepts of Elements, Atoms and Molecules
- How to create a Notebook file
- Where to save the file when they are finished
- The final expectations/ presentation/ product

#### Demonstrate:

- How to create a Notebook file with text and pictures
- How to use the pictures in the gallery and to create new ones for their Element

#### Practice:

- Students will research an Element or create one of their own, (fictional)
- Students will design a Notebook file to illustrate their Element's structure and write a short report about their element.

### Closing:

This could also be a creative writing activity, if students are allowed to create a fictional element and describe how it is combustible, what its boiling point, freezing point, etc. are. For true elements, students can include pictures of where their element is found naturally or in man made creations.