Emanuel Project
ART INTERVENTIONS FOR AT-RISK YOUTH

Science
Actinide

YOUTH ART PROJECT FOR:

ACTINIDE

OBJECTIVE

The student will learn about the Actinide in the periodic table.

Set up/prep time:	Activity time:
30 minutes	2-3 hours

Materials Needed:

White paper, pencil, eraser, ruler, container for water, water color.

COMMON CORE STATE STANDARD

CCSS.ELA-Literacy.RST.6-8.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.

PRE LESSON ASSESSMENT

Do a post-lesson assessment to determine what new knowledge the students have gained.

VOCABULARY

Actinide, Radioactive

RELEVANT RESOURCES

Content

http://en.wikipedia.org/wiki/Actinide
http://chemwiki.ucdavis.edu/Inorganic_Chemistry/Descriptive_Chemistry/Transition_Metals_and_Coordination_Complexes/The_Actinides
http://chemistry.about.com/od/elementgroups/a/actinides.htm

Art

http://www.homeschooling-ideas.com/printable-periodic-table.html
http://www.edu.pe.ca/threeoaks/teacherpages/higginbotham/-science%20421%20webpage/notes/notes-chemistry-periodictable/periodictableoftheelements.htm
http://www.chem4kids.com/files/elem_actinide.html

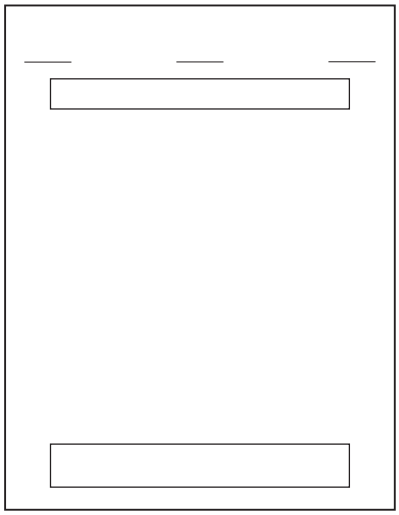
"You cannot create experience. You must undergo it."
-Albert Camus

Students will engage in:

- ☐ Listening
- ☐ Speaking
- ☐ Reading
- ☐ Writing
- ☐ Partner Work
- ☐ Cooperative Learning
- ☐ Whole Group Instruction
- ☐ Visuals
- ☐ Hands on
- ☐ Technology Integration
- ☐ A Project
- ☐ Centers
- ☐ Simulations
- ☐ Activities

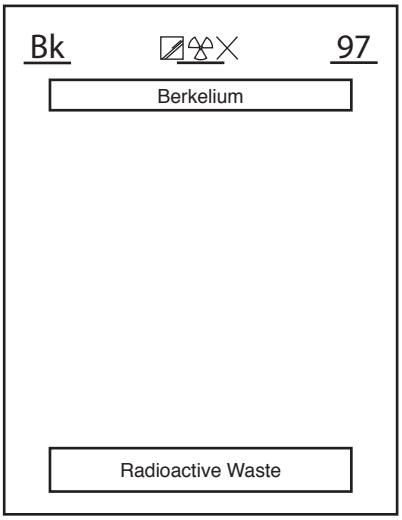
STEP 1

Print out the attached templates of the elements provided for the students.



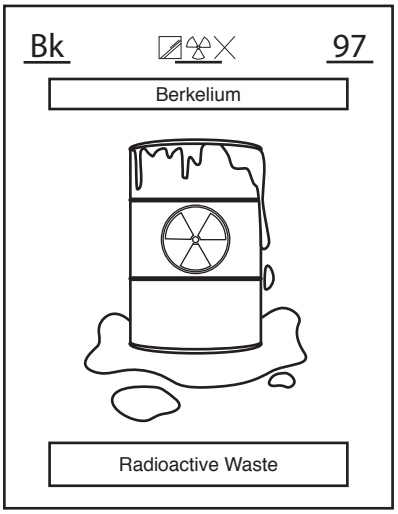
STEP 2

After the templates have been printetd the students will begin. Have the students start by writing in the info for the element (ex. Atomic Symbol, Atomic number and other Symbols).



STEP 3

After the students have written down the info for the element they will begin to draw the object or thing for that element. They will begin by drawing with a pencil lightly. After the pencil they will go back and trace over with a fine point marker. After the fine point marker the element is ready for coloring. they will color the element according to the colors on the periodic table. Refer to the “Relevant Resources” section for the color references.



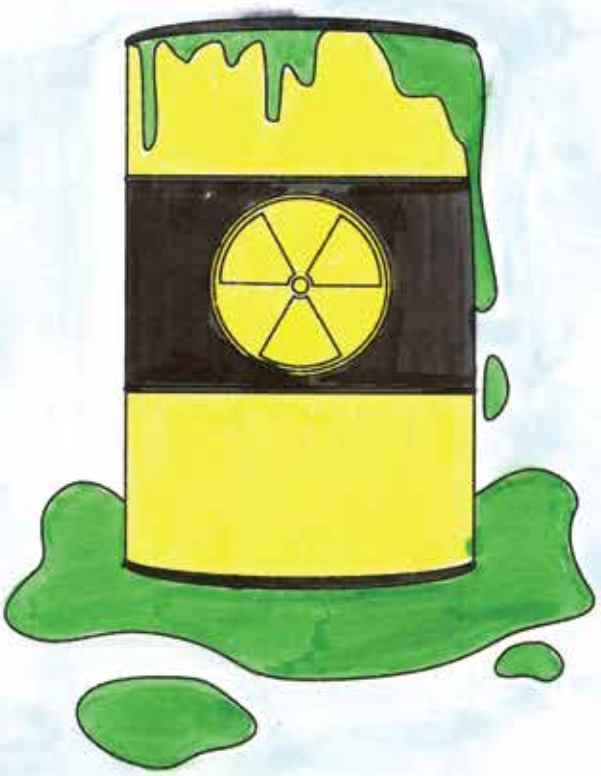
POST LESSON ASSESMENT

Do a post assessment to determine what new knowledge the students have gained.

Bk

97

Berkelium



Radioactive Waste

Ac ____ 89

Actinium

Th ____ 90

Thorium

Pa ____ 91

Protactinium

U ____ 92

Uranium

Np ____ 93

Neptunium

Pu ____ 94

Plutonium

Am ____ 95

Americium

Cm ____ 96

Curium

Bk ____ 97 Berkelium	Cf ____ 98 Californium