



LESSON PLAN FOR PENCILS

HANDOUTS: Production sheets for cedar pencils (photos and/or pencil kit showing process).
TreeSmart handout detailing how paper makes pencils and number of trees saved.

ACTIVITIES

- paper drive to collect enough to save one tree (MATH UNIT)
 - Utilizes math skills (measuring piles as they grow=how many trees 'saved')
 - Competition between classes for fundraiser (sell collected newspapers for \$\$)
 - Have piles of paper for visual comparisons lined up in gym-energizes kids
- plant tree seeds in paper cups to show growth (SCIENCE UNIT)
 - Donation of seeds or seedlings
 - Plant trees in school yard or some other community location for Tree Day
- uses of pencils
 - Writing (show different styles of writing through ages)
 - Artwork
- development of pencil as writing instrument (MAN'S INGENUITY)
 - Cave writings-early man-charcoal from fires
 - Stylus development through ages
 - Lead covered with string
 - Quills
 - Use of lead which evolved to graphite
- types of pencils
 - Tree based (cedar)
 - Recycled Newspaper (China)
 - Mechanical
 - Colored

VISUALS

Poster of how cedar pencils are made (small kit can be purchased for hands-on)
Poster of how newspaper pencils are made
Examples of writing styles by type of stylus:

- cave writings-charcoal,
- America's founding documents-quill and ink,

Examples of different kinds of pencils for comparison

VOCABULARY

- reduce, reuse, recycle, harvest, graphite, stylus

