

4

History-Social
Science Standard
4.2.1.



California Indian Peoples and Management of Natural Resources

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Initiative Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
California State Board of Education
California Department of Education
Department of Resources Recycling and Recovery (CalRecycle)

Key Partners:

Special thanks to **Heal the Bay**, sponsor of the EEI law, for their partnership and participation in reviewing portions of the EEI curriculum.

Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

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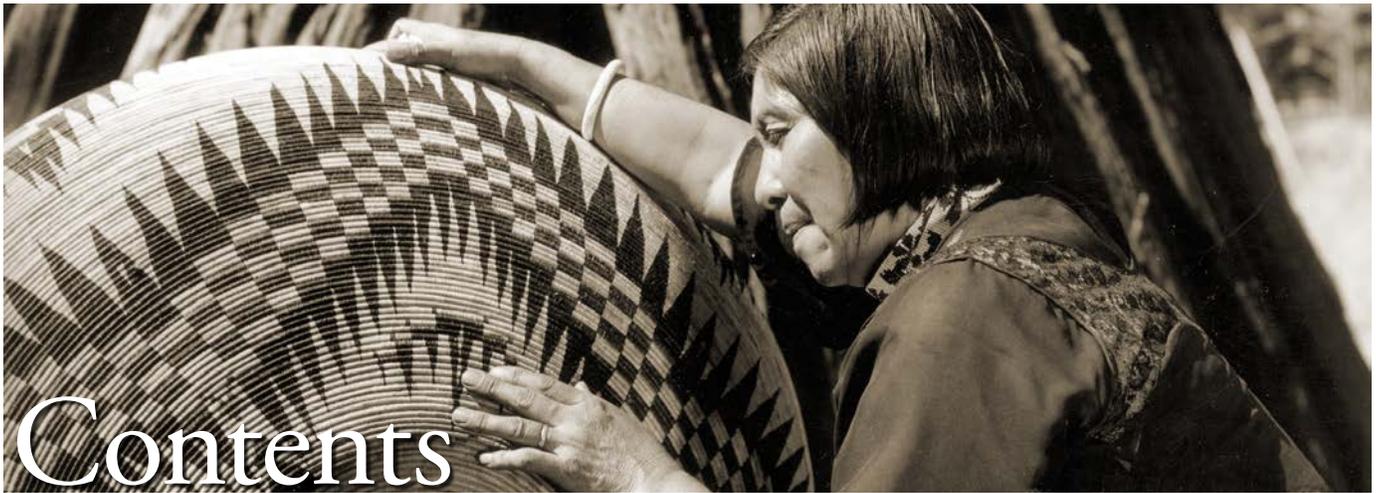
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Lesson 1 Tied Through Trade

- 1 Clamshell Beads from California 2
- 2 *Olivella* Shell Beads from California 3
- 3 *Dentalia* Shell Beads from California 4

Lesson 2 Comparing Aspects of California's Tribal Regions

- 4 Four California Indian Homes 5

Lesson 3 On It One Makes a Basket

- 5 Four California Indian Baskets 6

Lesson 4 California Indians' Worldview

None required for this lesson.

Lesson 5 Managing the Pre-California Landscape

- 6 Willow Tree 7
- 7 Changing How Willow Grows 1 8
- 8 Changing How Willow Grows 2 9

Lesson 6 A Burning Question—California Indians' Use of Fire

- 9 Lodgepole Pine 10
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VA #1 Clamshell Beads from California



Clamshell



Clamshell beads

VA #2 Olivella Shell Beads from California

Olivella



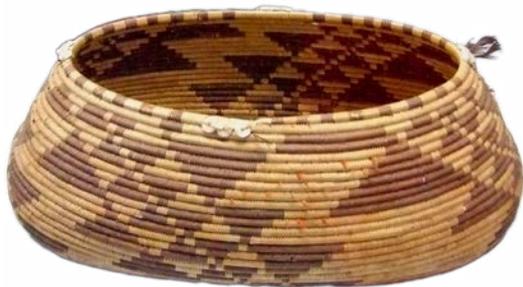
Olivella beads

VA #3 *Dentalia* Shell Beads from California***Dentalia******Dentalia* beads**

VA #4 Four California Indian Homes



VA #5 Four California Indian Baskets



VA #6 Willow Tree



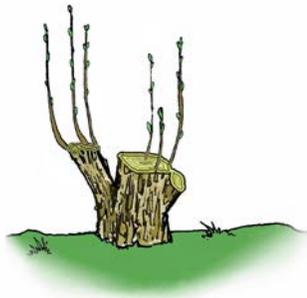
VA #7 Changing How Willow Grows 1



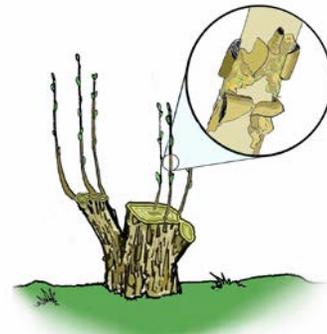
This is a willow tree. It has many small, weak branches. Some branches have diseases or insects.



The willow tree drops its leaves in the winter. California Indians cut the tree down to the roots at this time. This is called coppicing (kop-is-sing).

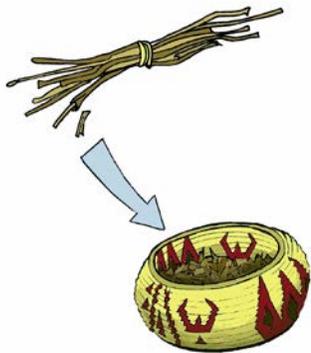


The willow tree grows new branches in the spring and summer. The branches grow long and straight.

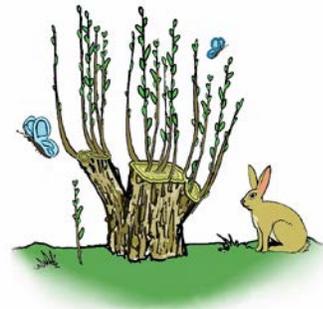


In the warm weather, sap begins to flow under the bark on the new branches. This makes some of the bark start to peel off the tree.

VA #8 Changing How Willow Grows 2



California Indians harvest the new willow branches when the bark can be peeled off easily. The new branches are so flexible, they can be tied in a knot!



The willow tree is cut again. The tree will grow new branches like this every year it is cut. This tree will live longer than trees that are not cut.

VA #9 Lodgepole Pine



VA #10 Purple Needlegrass





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