

## PROJECT #1 TRANSPIRATION MODELS



These activities give your class the opportunity to create desert inspired art projects that compliment the grade's theme. Initiate class discussions with students regarding their choices and experiences before and after creating the piece. Included is a suggested bulletin board idea for your class to participate in as a group.

### SUGGESTED MATERIALS:

- Cardstock
- Sequins
- String
- Cotton
- Scissors
- Attached template

### PREP:

Discuss with the students the process of the water cycle and its importance to the earth. Discuss the process of transpiration and osmosis with the student and what conditions affect transpiration rates of plants, particularly desert plants.

Have the students make a 3-D model showing how water molecules travel through the plants during the process of transpiration and osmosis. Students can make 3-D mobiles that could be hung or displayed on bulletin board. Suggestion of materials that could be used include cardstock for the 3-D plant, sequins attached to string for the rain, cotton glued on cardstock for clouds, etc.

## BULLETIN BOARD



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Display the comparison charts of the student's transpirations experiments along with the 3-D mobiles.

## ARIZONA STATE STANDARDS

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### Visual Arts

#### SIC1

- PO 201. Contribute to a discussion about ideas for his or her own artwork
- PO 202. Make and explain revisions in his or her own artwork.
- PO 203. Develop plans for his or her own artwork  
(e.g., sketches, models, and notes.

#### SIC2

- PO 201. Identify and experiment with materials, tools, and techniques appropriately and expressively in his or her own artwork.
- PO 202. Demonstrate purposeful use of materials, tools, and techniques in his or her own artwork

# TEACHER'S GUIDE FOR SIXTH GRADE DESERT INSPIRED ART PROJECTS FOR YOUR CLASSROOM

## 3-D Mobile of Plant & Transpiration Process

