

Ms. Cretera's Garden Parents  
Outdoor Lesson #21  
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**Scientific Fact:** they close up when damp and wet and then when dry and breezy they open up, they are lighter and can travel further when the wind blows (this helps the pine trees spread their seeds farther, so they don't crowd the parent trees) -

**Science Experiment:** just a soak in water to watch the transformation (we could do these indoors if rainy out): soak two dry (open) pinecones in hot water and in cold water jars and watch the transformation. (20min or so) Have a third wet pine cone in a dry jar, and check back the next day to see what happens. Kids can observe these pinecones and record what they see with drawings or words in their garden journals. We will have a few extra's out of jars to feel, observe, draw...

**Pinecone weather station:** hang a pine cone outside to measure humidity/chance of rain.

**Recite/Movement Activity:**

I'm a Little Pinecone added 10-25-05 Submitted and written by: Clare Avery

Sung to: "I'm a Little Teapot"

I'm a little pinecone  
brown and small  
I live in a pine tree, oh so tall.  
When the cold wind blows  
I dance and hop -  
down to the ground with a  
PLOP, PLOP, PLOP!

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# LESSON: PINECONES

