



# Why Leaves Change Color

Bring the outdoors into your class through this interactive display idea that reinforces math and graphing skills.

**Photosynthesis is the process used by plants to make food.**

Plants use sunlight to turn water and carbon dioxide into glucose, a food for energy and growth.

## WHY LEAVES CHANGE COLOR

Exploring Photosynthesis

**The amount of daylight affects the color of leaves.**

**Three types of pigment create fall color changes.**

<p><b>Chlorophyll</b></p> <p>gives leaves their green color during photosynthesis.</p>	<p><b>Carotenoids</b></p> <p>are always present and produce yellow, orange, and brown colors.</p>	<p><b>Anthocyanins</b></p> <p>are present in some leaves and produce red and purple colors.</p>
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	All						
Most							
Some							
Few							
None							
	Week One	Week Two	Week Three	Week Four	Week Five	Week Six	Week Seven

## COLOR OF THE LEAVES

### ★ Featured Display

Nature puts on a terrific show in the fall. Invite kids to focus on one tree near your school and track its changes. This activity is a great way to build observation and graphing skills. Starting in early fall, have weekly sessions to observe the tree, and then add accents to the bulletin board display to reflect the changing leaf colors. Use a TREND Wipe-Off® Graphing Grid (T-1093) to graph the changes. Discuss your findings.

### ★ You'll need

- T-8602 Why Leaves Change Color**  
*Mini Bulletin Board Set*
- T-80021 Tree Bark**  
*Discovery™ Trimmers*
- T-10813 Fall Leaves**  
*Mini Accents Variety Pack*
- T-10814 Spring Leaves**  
*Mini Accents Variety Pack*
- T-1093 Wipe-Off® Graphing Grid**
- T-1790 Green 2" STICK-EZE®**  
*Stick-On Letters*

Fadeless paper and double-stick tape.

### ★ Keep the theme going

- T-38192 Photosynthesis**  
*Learning Chart*
- T-38119 Water Cycle**  
*Learning Chart*
- T-80017 Fall Leaves**  
*Discovery™ Trimmers*
- T-80015 Mossy Forest**  
*Discovery™ Trimmers*
- T-79294 Kelly Green 4"**  
*Venture Ready Letters®*
- T-79252 Natural Elements 4"**  
*Venture Ready Letters®*
- T-72402 Black-Eyed Susans**  
*Note Pad*
- T-46177 Fall Leaves**  
*superSpots® Stickers*

This creative activity sheet is a gift from your TREND Retailer!