

Leafy Green

Overview	Students will learn about the colors of leaves. They will practice by using different leaves and alcohol to come up with a conclusion.
Objective	Given a question about the color of leaves, students should be able to explain why the leaf is a certain color 80% of the time.
Materials	<ol style="list-style-type: none"> 1. 5 very different leaves 2. Rubbing alcohol 3. 1 strip of coffee filter paper 4. 1 metric ruler 5. 1 plastic glass 6. Computers with internet access 7. Zoho Wiki account
Procedure	<ol style="list-style-type: none"> 1. Pour about two centimeters of alcohol into the plastic glass. 2. Scratch the leaf. Rub some of the green coloring onto the filter paper, about an inch from the bottom of the paper. 3. Wrap the strip of filter paper around a pencil or stick. Attach it with tape. 4. Lower the paper into the alcohol and rest the pencil on the sides of the plastic glass. 5. Be sure the rubbing alcohol does not touch the place on the filter where the leaf was rubbed. If the filter paper is too long, twist the pencil to keep the spot from the leaf rubbing out of the alcohol. 6. Watch the paper for five minutes and record any changes that occur. Record your observations about every 20 minutes until no more changes occur. 7. After the students record their observations, have them get on Zoho Wiki and put all of their information on the site.
Evaluation	The students will be taking a quiz in which they will be given a certain leaf and they will have to explain why it is a certain color.

Adapted from <http://www.lessonplanspage.com/ScienceExlsGreenOnlyColorInLeafMO68.htm>