



Phenology Resources for Classrooms



Phenology is the study of the annual cycles of plants and animals and how they respond to seasonal and other changes in their environment. Here are some resources to help you create your own phenology.

Backyard Nature Phenology Guide (<http://www.backyardnature.net/phenolgy.htm>)

Basic information on phenology and how to make and record observations.

Great Backyard Bird Count (<http://www.birdsource.org/gbbc/>)

Annual four-day event that engages bird watchers of all ages in counting birds across the continent and in Hawaii.

Journey North! (<http://www.learner.org/jnorth/>)

Journey North engages students in a global study of wildlife migration and seasonal change. K-12 students share with classmates across North America their own field observations of migration patterns of birds and animals, plant budding, changing sunlight, and other natural events. Offers maps, pictures, standards-based lesson plans, and activities.

National Phenology Network (<http://www.usanpn.org/>)

Works to facilitate systematic collection and free dissemination of plant phenological data from across the United States, primarily to support scientific research concerning interactions between plants and the lower atmosphere, especially considering the long-term impacts of climate change. Individuals select appropriate plant species to observe and submit the data they collect each year over the Internet.

National Sustainable Agriculture Information Service (<http://www.attra.org/attra-pub/phenology.html#what>) Phenology project web links by states.

PlantWatch (<http://www.naturewatch.ca/english/plantwatch/>)

Students and the general public observe flowering times for key indicator plant species and report dates online. Also FrogWatch, IceWatch and WormWatch.

Project BudBurst (http://www.windows.ucar.edu/citizen_science/budburst/)

Participants collect data on the timing of leafing and flowering of trees and flowers. Targets native tree and flower species across the country.

The Globe Program (<http://www.globe.gov/>)

Global Learning and Observations to Benefit the Environment (GLOBE) is a hands-on international environmental science and education program. GLOBE links students, teachers, and the scientific research community in an effort to learn more about our environment through student data collection and observation.

The GreenReport (<http://www.kars.ku.edu/products/greenreport.shtml>)

The Green Report combines current satellite data with historic data to prepare a series of maps that show vegetation and crop condition of the landscape as the season progresses. An excellent way to follow the "green wave." Compare week to week or year to year. Part of the Kansas Applied Remote Sensing (KARS) Program.

Wisconsin Phenological Society (<http://www.naturenet.com/alnc/wps/>)

Resources and information for those interested in recording observations and promoting phenological research.