

BioLEARN Activity Template Guide for Teaching Materials

Title:

Select a title that clearly expresses the content of the activity.

Author(s):

Include the names of all individuals who have contributed significantly to developing the activity.

Activity Type:

Select a life science subdiscipline, e.g. biochemistry, anatomy, ecology, that best describes your activity.

Description:

Create a brief abstract or summary that describes the activity and lists concepts and biology content that are addressed.

Grade Range:

Indicate the appropriate student grade level(s) for the activity.

Teaching/Learning Objectives:

List the objectives, tying them to the Wisconsin Model Academic Standards for Science, and standards for other disciplinary areas, if relevant.

Time Required:

Indicate the total amount of class time required, for example 3 (50 minute) periods. Include a more detailed breakdown and teacher preparation time if you feel that would be helpful to others using the activity. Those details might be more appropriately addressed in the **Materials and Preparation Procedures** and **Activity** categories.

Materials and Preparation Procedures:

Include a list of materials needed to conduct the activity, as well as a narrative explaining any teacher preparation required in advance. Be sure to address safety issues. Include special tricks and other important information so that others can faithfully reproduce your activity. For example, if materials are not readily available, suggest where they might be obtained. Include estimates of preparation time, if relevant, and explain any special preparations. Preparation and procedural details might also fit as part of a timeline in the **Activity** category.

Activity:

This is generally the largest body of text and often takes the form of a timeline (Day 1. Day 2, etc.) with headings, subheadings, number and bullet lists. Again, be sure to address relevant safety issues. You may wish to indicate student prerequisite knowledge or skills and include a "Background" section for students and/or teachers. Additional documents (student or teacher handouts, assessment rubrics, data sheets, etc.) can be included with the activity. Be sure to acknowledge the originator or other contributors to your activity. If the work is not original, copyright permission from original authors must be obtained in order for the activity to be included on the BioLEARN web site.

Student Assessment:

Indicate a method for student assessment. This might be a scoring rubric or quantitative approach or an outline of qualitative principles to guide the assessment.

Wisconsin Science Standards:

Include the text of the standard's content description and its specific performance standards relevant to your activity.

Resources (Optional):

Include links to Web sites, lists of articles, books, or other references that might support the teaching of this activity.