

Museumlink Forest Module

Illinois Goals and Standards addressed

Science (Forest Layers and Herbarium Activities)

Goal 12: Understand the fundamental concepts, principles, and interconnections of the life, physical, and earth/space sciences.

Standard A: Know and apply concepts that explain how living things function, adapt, and change.

Early Elementary: 12.A.1b: Categorize living organisms using a variety of observable features.

Middle/Junior High: 12.A.3c: Compare and contrast how different forms and structures reflect different functions.

Standard B: Know and apply concepts that describe how living things interact with one another and with their environment.

Early Elementary: 12.B.1a: Describe and compare characteristics of living things in relationship to their environments.

12.B.1b: Describe how living things depend on one another for survival.

Late Elementary: 12.B.2a: Describe relationships among various organisms in their environments.

Middle/Junior High: 12.B.3a: Identify and classify biotic and abiotic factors in an environment that affect population density, habitat, and placement of organisms in an energy pyramid.

Early High School: 12.B.4b: Simulate and analyze factors that influence the size and stability of populations within ecosystems.

Late High school: 12.B.5b: Compare and predict how life forms can adapt to changes in the environment by applying concepts of change and constancy.

Goal 13: Understand the relationships among science, technology, and society in historical and contemporary contexts.

Standard B: Know and apply concepts that describe the interaction between science, technology, and society.

Middle/Junior High: 13.B.3d: Analyze the interaction of resource acquisition, technological development, and ecosystem impact.

Mathematics (Interpreting a Graph Activity)

Goal 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems, and predict results.

Standard B: Interpret and describe numerical relationships using tables, graphs, and symbols.

Middle School/Junior High Standard 8B: - Interpret and describe numerical relationships using tables, graphs, and symbols.

Early High School Standard 10.A.3a: construct, read and interpret tables, graphs, and charts to organize and represent data.

English Language Arts (Forest as Inspiration for Literature)

Goal 2: Read and understand literature representative of various societies, eras, and ideas.

Standard A: Understand how literary elements and techniques are used to convey meaning.

Late Elementary: 2.A.2b: Describe how story elements are used in literature to create meaning.

Middle/Junior High: 2.A.3b: Describe how the development of theme, character, plot, and setting contribute to the overall impact of a piece of literature.

Early High: 2.A.4a: Analyze and evaluate the effective use of literary techniques (figurative language, allusion, dialogue, description, symbolism, word choice, dialect) in classic and contemporary literature.

Late High: 2.A.5d: Evaluate the influence of historical context on form, style, and point of view for a variety of literary works.

Standard B: Read and interpret a variety of literary works.

Early Elementary: 2.B.1b: Identify common themes in literature from a variety of eras.

Late Elementary: 2.B.2b: Identify and explain themes that have been explored in literature for different societies and eras.

Middle/Junior High: 2.B.3b: Compare and contrast common literary themes across various societies and eras.

Early High School: 2.B.4b: Analyze form, content, purpose, and major themes of American literature and literature of other countries in their historical perspectives.

Late High School: 2.B.5b: Apply knowledge gained from literature as means of understanding contemporary and historical economic, social, and political issues and perspectives.

Visual Arts (Forest Layers Activity)

Goal 27.B: Understand how the arts shape and reflect history, society, and everyday life.

Early Elementary: 27.B.1: Know how images...convey stories about people, places, and times.

Late Elementary: 27.B.2: Identify and describe how the arts communicate the similarities and differences among various people, places, and times.