UNIT OF STUDY

Title: Classification of Protists	**Subject/Course**: Biology	**Length**: 1 week
Topic: Classification and the Diversity of Life (3)	**Grade**: 10th grade	**Designer**: Woods

UNIT GOALS AND EXPECTATIONS

IMPORTANT CONCEPTS/UNDERSTANDINGS:	ESSENTIAL QUESTIONS:
The great diversity of organisms is the result of more than 3.5 billion years of evolution that has filled every available niche with life forms. Natural selection and its evolutionary consequences provide a scientific explanation for the fossil record of ancient life forms, as well as for the striking molecular similarities observed among the diverse species of living organisms. The millions of different species of plants, animals, and microorganisms that live on earth today are related by descent from common ancestors. Biological classifications are based on how organisms are related. Organisms are classified into a hierarchy of groups and subgroups based on similarities which reflect their evolutionary relationships. Species is the most fundamental unit of classification.	What are the characteristics of protists? How are protists important to humans?
STUDENT LEARNING EXPECTATIONS: CDL.7.B.11 Describe the characteristics used to classify protists: ▪ plant-like ▪ animal-like ▪ fungal-like -molecular -mobility -metabolism -environment	CDL.7.B.12 Evaluate the medical and economic importance of protists ▪ Malaria ▪ Amoebic Dysentery
SPECIFIC DECLARATIVE KNOWLEDGE – What I know Explain what a protist is. Describe the major phyla of animal-like, plant-like, and fungi-like protists. Identify the major characteristics and examples of animal-like, plant-like, and fungi-like protists.	SPECIFIC PROCEDURAL KNOWLEDGE – What I need to do Identify the uses of protists.

UNIT ASSESSMENTS
(Include tasks related to Dimensions 3 and 4 and Bloom's Taxonomy)

"Observing Mirco-organisms in Pond Water" Lab Assignment

Traditional Assessments:	Other Evidence of Learning:
Test Quizzes	"Observing Mirco-organisms in Pond Water" Lab Assignment

ACTIVITIES AND LEARNING EXPERIENCES	Resources

"Observing Mirco-organisms in Pond Water" Microscope lab—Group Activity View and identify major groups of protests and their locomotion: http://biog-101-104.bio.cornell.edu/BioG101_104/tutorials/protista.html "Protist Slides" Smartboard document—Identification of characteristics Vocabulary Strategy Daily Notebook Entries	Prentice Hall Textbook: Biology Internet Powerpoint Lab Equipment

Career Connections
Fisheries Biologist