

1 *Biology: Fungi - Neither Plant Nor Animal*

This issue surveys the kingdom of the fungi, the intriguing and varied life forms that are neither plant nor animal. Fungi can be both harmful and beneficial. We show why, as well as some of the new ways we are using them to grow healthier crops, fight insect pests, and treat diseases. Running Time: 15:12

2 *Medicine: Nature's Pharmacy*

This program reveals the natural sources of some of the most important medicines we have to fight disease, as it shows the complex process of new drug discovery. Students see how natural substances collected from the rain forests or the sea undergo extensive testing to determine if they are potential sources of new drugs, and discover how computers are speeding up the process. Running Time: 14:15

3 *Engineering Working For You*

Students learn how engineers develop and choose between thousands of raw materials and hundreds of manufacturing processes to put together everything from compact discs to jeans. With the focus on modern manufacturing materials, tools and processes, they'll also discover how they themselves can begin to prepare for creative careers in chemical or manufacturing engineering. Running Time: 12:49

4 *Entomology: Leafcutter Ants - Pests or Pals?*

Leafcutter ants are considered terrible pests, because the ants strip nearby plants of their foliage. Yet, these tiny insects, who grow their own food on the leaves they cut, have amazing skills as farmers. They control the growth of their crops and keep them disease free with chemicals produced in their bodies. In this close-up look at leafcutters, we show how studying these ants has helped human farmers grow better crops. Running Time: 13:00

5 *Biology: The Human Host*

Remarkable photography offers a rare look at some life forms that share our world very closely - organisms that may live in or on our bodies, hitch an occasional ride, or take their nourishment from us. Most are harmless, and live without our ever being aware of them. Many are beneficial. Others cause discomfort or disease. Students will remember this ecology lesson as they learn what can happen if their body's natural balance is disturbed, and how disease can be spread from one host to another. Running Time: 14:04

6 *Earth Science: Glaciers - Clues To Our Past*

Glaciers are what remains of the vast sheets of ice that covered one-third of the globe during the last ice age. Dynamic and powerful, they continue to carve and shape the land. Animation and time-lapse photography explain the conditions that through the eons have periodically enveloped the planet in ice, and how glaciers grow and move. We show some spectacular results of their movement, and follow scientists onto the Mendenhall Glacier, where they try to interpret frozen clues to our planet's past and predict its future. Running Time: 14:35

7/8 *Biology: Understanding Frogs and Toads*

Fossils prove the existence of these amazingly adaptable amphibians one hundred million years ago, and they can be found today on nearly every land mass. Featured, along with the typical frog/toad life cycle and defenses, are some of the interesting variations many species have developed in response to their particular environments, and why these animals are biologically important and of special interest to scientists. Running Time: 23:14