

Interdependence Unit

Log into [Discovery Education](#) using your school email and click on the **Ecology** tab



The screenshot shows the Discovery Education website interface for a Biology course. At the top, there is a search bar with the text "Enter Keyword(s)" and a "SEARCH" button. To the right of the search bar, the user's name "Kristin King" and links for "Help" and "Logout" are visible. Below the search bar, there is a navigation menu with options: "My Content", "Builder Tools", "Classroom Manager", "Teacher Center", and "Professional Development". The main header area features the word "Biology" in a large font, along with buttons for "Switch Course", "What's New?", "Standards", and "Interactive Glossary". Below the header, there are two tabs: "COURSE VIEW" and "TABLE OF CONTENTS". The "TABLE OF CONTENTS" tab is active, showing a list of units and concepts. On the left side of the page, there is a large image of a jellyfish. The units listed are: "Introduction to Biology" (with sub-units "Process of Science" and "The Building Blocks of Life"), "Cells and Heredity" (with sub-units "Cells" and "Heredity"), and "Living Things" (with sub-units "Diversity of Life", "Plants", "Animals", and "Ecology"). Under "Ecology", there are sub-concepts: "Ecosystems", "Terrestrial Biomes", "Aquatic Biomes", "Describing Populations", and "Nutrient Cycles".

State Performance Indicators

- SPI 3210.2.1** Predict how population changes of organisms at different trophic levels affect an ecosystem.
- SPI 3210.2.2** Interpret the relationship between environmental factors and fluctuations in population size.
- SPI 3210.2.3** Determine how the carrying capacity of an ecosystem is affected by interactions among organisms.
- SPI 3210.2.4** Predict how various types of human activities affect the environment.
- SPI 3210.2.5** Make inferences about how a specific environmental change can affect the amount of biodiversity.
- SPI 3210.2.6** Predict how a specific environmental change may lead to the extinction of a particular species.
- SPI 3210.2.7** Analyze factors responsible for the changes associated with biological succession.