

Heredity Unit

Log into www.Google.DiscoveryEducation.com

You must log in using your LCHS email.

The screenshot shows the Discovery Education website interface. 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, there are links for "Kristin King", "Help", and "Logout". Below the search bar, there is a navigation menu with options: "My Content", "Builder Tools", "Classroom Manager", "Teacher Center", and "Professional Development". The main content area is titled "Biology" and features a large image of a jellyfish. To the right of the image, there is a "TABLE OF CONTENTS" section with a "Expand All" and "Collapse All" button. The table of contents is organized into three columns:

- Introduction to Biology**
 - UNIT: Process of Science
 - UNIT: The Building Blocks of Life
- Cells and Heredity**
 - UNIT: Cells
 - UNIT: Heredity
 - CONCEPT: Genetics
 - DNA
 - Transcription and Translation
 - Genetic Disorders and Technology
 - Genetic Engineering
- Living Things**
 - UNIT: Diversity of Life
 - UNIT: Plants
 - UNIT: Animals
 - UNIT: Ecology

At the bottom of the page, there is a footer with links for "Check Requirements", "Download Acrobat Reader", "Terms of Use", "Support", "Contact Us", "About Us", "Online Closed Captioning", and "Live Help Chat". There are also social media icons for Facebook, Twitter, and YouTube. The footer text reads: "Copyright © 2015 Discovery Education. All rights reserved. Discovery Education is a subsidiary of Discovery Communications, LLC."

What you need to know for the EOC

State Performance Indicators

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| SPI 3210.4.1 | Identify the structure and function of DNA. |
| SPI 3210.4.2 | Associate the process of DNA replication with its biological significance. |
| SPI 3210.4.3 | Recognize the interactions between DNA and RNA during protein synthesis. |
| SPI 3210.4.4 | Determine the probability of a particular trait in an offspring based on the genotype of the parents and the particular mode of inheritance. |
| SPI 3210.4.5 | Apply pedigree data to interpret various modes of genetic inheritance. |
| SPI 3210.4.6 | Describe how meiosis is involved in the production of egg and sperm cells. |
| SPI 3210.4.7 | Describe how meiosis and sexual reproduction contribute to genetic variation in a population. |
| SPI 3210.4.8 | Determine the relationship between mutations and human genetic disorders. |
| SPI 3210.4.9 | Evaluate the scientific and ethical issues associated with gene technologies: genetic engineering, cloning, transgenic organism production, stem cell research, and DNA fingerprinting. |

Practice Tests: <http://www.mrskingsbioweb.com/ExamView.htm>