



Program Overview

Introduction

This guide provides a quick overview of the Miller & Levine Biology © 2010 program.



It examines the four innovative approaches to teaching the program, including exciting multimedia and digital options, and discusses the Big Ideas of the program. The guide also explores how the authors have incorporated the latest information from the field of biology.

The Miller & Levine Biology program has long been considered the most authoritative and respected biology program on the market. To this day, it continues to be the overall market choice for high school biology.

Digital Instruction

The Miller & Levine Biology © 2010 edition is a totally new and exciting version of the program that features the next generation of digital instruction.

Biology.com serves as a digital hub for the entire program. It provides a wealth of digital tools that allow users to plan lessons, edit worksheets and tests, make assignments, assess, and remediate.

Students can complete online assignments and participate in games and activities that support vocabulary and concepts. They may also watch engaging videos and complete online tests.

Biology.com PLUS is the premium side of Biology.com. Biology.com PLUS provides access to special content such as periodic updates from authors Ken Miller and Joe Levine. They keep users connected to the

latest breakthroughs and trends in Biology. With Biology.com PLUS, users also have access to virtual labs and activities.

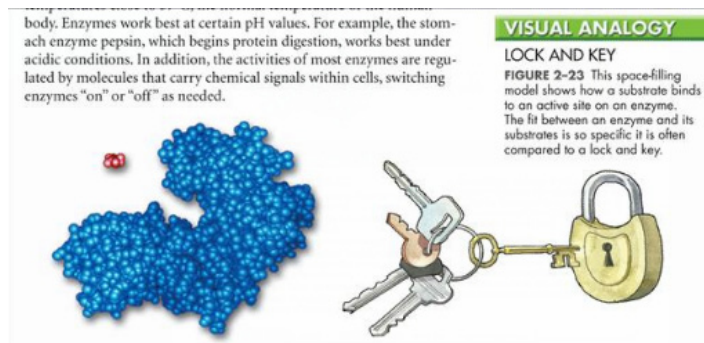
If Internet access is unavailable, many of the Biology.com resources are available on CD-ROM and DVD.

One Program with Four Solutions

The Miller & Levine Biology program is one program, but the content is made available through four different groundbreaking pathways. Users choose the best text solution for their teaching style.

On-Level Text

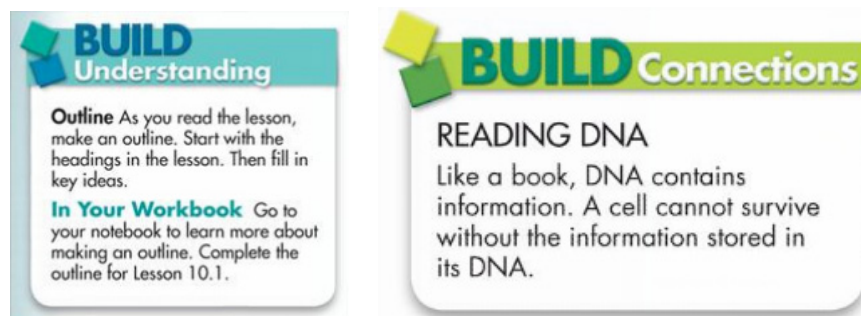
The Comprehensive On-Level text is the best textbook solution for the traditional classroom. It provides opportunities for students to interact with the latest biology information while placing an emphasis on meeting standards. The textbook features content written in a narrative style and graphics that are easy to understand.



This solution also provides links to rich digital content available online at Biology.com.

Foundations Series

The Foundations Series provides increased access to the most authoritative biology content available today. It delivers the same content as the On-Level version but at a lower reading level, making this a perfect solution for struggling readers, English Language Learners, and inclusion classrooms in general. This version also includes additional reading support embedded in the text.



Students are supported with reading strategies that help them to effectively engage the content before, during, and after reading. These strategies help them build connections with the content, build understanding of complex concepts, and increase their academic vocabulary.

Students using the Foundations version will also benefit from enhanced visual support. Illustrations and captions have been specially prepared to help simplify complex biological operations, summarize content, and help students make connections to the content.

Students can also use engaging digital content to reinforce chapter vocabulary through vocabulary games, clarify concepts by engaging with interactive graphics and tutorials, and monitor their understanding using the Quiz Yourself feature.

Biology.com

Virtual schools or schools that seek an environmentally friendly alternative can go completely digital. The online edition of the program, including full versions of the student edition and teacher's edition, is available online through Biology.com. In addition to the text, there are tools to plan instruction, assign editable worksheets and study guides, and remediate.

For those who prefer to teach using technology, but like to use the biology textbook as a student reference, the best choice is the Core Edition textbook plus Premium Digital Content.

Core Edition

The core edition textbook is a concise version of the On-Level text. This version features the chapters that address the most common national biology curriculum standards.

This solution is supported by Biology.com PLUS content, which includes access to premium areas of the Biology.com Web site such as student and teacher updates from Ken Miller and Joe Levine and unlimited access to innovative virtual labs.

Big Ideas

Each chapter in the program begins with a Big Idea and Big Question that connects to the main concept of the chapter.



Throughout the chapter, students encounter questions that help them focus and master the main concepts of the chapter.

One way this is accomplished is through the Chapter Mystery.



Students can read the Chapter Mystery at the beginning of the chapter in the book or at Biology.com. The mystery involves real-world situations and it aligns with the Big Idea. As students progress through the chapter, they encounter clues that help them solve the mystery by the end of the chapter.

Untamed Science

Only Miller & Levine Biology © 2010 has Ecogeeks, a team of scientists who bring Untamed Science videos to each chapter of the program. These videos, available on DVD or online, engage students by taking them out into the exciting field of biology. They're really more like reality TV than typical educational videos. These episodes are sure to inspire students.

Updated Science

It seems as though there are constantly new breakthroughs and controversies in the field of biology. The program authors have updated the text to reflect the latest in biotechnology, genetics, and systemic approaches to animal diversity. They have also presented a revised taxonomy which is based on the latest findings.

In addition, the program does not shy away from discussing controversial topics such as global climate change, stem-cell research, and evolution. The program lays out the facts, data, and experimental observations that underlie these controversial topics, but it doesn't force students to accept preconceived notions. Instead, students analyze the data so they can form their own opinions about the topics.

Review

The Miller & Levine Biology © 2010 program is a flexible, highly innovative, and adaptable approach to teaching high school biology.

This guide went through some of the key program features of Miller & Levine Biology. It first mentions that the program offers four exceptional solutions that may be adopted to fit each unique learning environment. Next, it discusses multimedia and digital options that make the program exciting and engaging to students.

The guide goes on to explain how students are presented with the Big Ideas of the program. As they progress through a chapter, they collect clues that help them solve the chapter mysteries.

Finally, it reviews the up-to-date biological discoveries that the program authors have included in the texts and the ways to approach controversial topics in the classroom.

These are just a few of the features of the Miller & Levine Biology © 2010 program.

Pearson Tutor Services

In addition to the excellent support features for students in Miller & Levine Biology © 2010, students also have the opportunity to receive free tutoring through Pearson Tutor Services.



What is Pearson Tutor Services?

Pearson Tutor Services delivers one-on-one online tutoring to students. Tutor Services can also be used for immediate help with assignments and projects. It provides scheduled and instant tutoring, homework help, and quiz review all in one place. Think of it as a way to extend the school day: the tutors take over where the teacher has left off. This flexible service provides convenient, expert assistance to the student when the student needs it.



Pearson Tutor Services Tutors

All tutors are degreed professionals who can offer immediate one-on-one assistance seven days a week during the evening hours. Tutors undergo weeks of intensive training and must pass stringent certification exams. They adhere to national and state academic standards and curricula. Pearson Tutor Services tutors use their extensive library of online content, question banks, animations, and simulations for maximum student engagement and learning.

Pearson Tutor Services Sessions

Students log into their Pearson Tutor Services account and are automatically assigned an online tutor. The tutor uses an online "whiteboard" to draw out the solution. The duration of a typical session is forty-five minutes.

