

CORD BIOLOGY

Submitted for Adoption in the State of Utah

CORD Biology textbook will fully correspond to the State of Utah's Science Course Curriculum in several ways. These include covering not only the basic biological concepts, but making the students aware of how an biological concepts apply to their lives in order to see the relevance and necessity of the study of Biology.

Many students look forward to Biology only to dissect. They have a curiosity as to how things work but often times the connection between phyla and their lives is not made. *CORD Biology*, with the use of real life situations interspersed throughout the book, gives the students the avenues to make the connections and learn how all life is interrelated and dependent.

The questions within the chapters are of differing levels to match the various thought processes educators hope for students to achieve. The activities, such as 3-2 on page 92, are relevant to learning specific objectives 3520-0202, 3520-0502, 3520-0602, and 3520-0702. Such activities give the students a concrete model of oxygen production and release and can be extended in a variety of ways to lead the students to develop abstract concepts by extending activities. This is a standard feature of *CORD Biology*.

This textbook provides the students with numerous opportunities to see webbing of biological concepts with other science disciplines. The book interrelates Biology with Chemistry, Physics, Environmental Studies and Mathematics. Examples of this are found in the "Biology in Context" in Bagel Baking, Wine Making, Photosynthesis as a Tourist Attraction, and High Tech Cloning, just to name a few. These are also integrated within the Chapter Assessments, Laboratory Activities, and Career Applications.

The use of this book will enhance students' abilities to organize thoughts, relate concepts and develop plans of action to solve problems. As these are the top requirements of Business and Industry of their workers, students will have an advantage over others. *CORD* also balances role model and career profiles so all students can find someone similar with whom to connect. *CORD* has a strong and unique history of developing curriculum that provides students with experiences of high level logic and hands-on laboratory experiences. This textbook lives up to that expectation.

CORD Biology meets the Utah objectives fully and would prepare the students for any evaluation of state goals and objectives.

With the choice of *CORD Biology*, students are provided with:

1. An understandable and comprehensive textbook.
2. Activities that show how and why Biology is important to their lives.

3. Career Links to give students possibilities.
4. Knowledge and practical applications of Biology that will advance the students in their studies.

Although this is a new program, a group of Application of Biology/Chemistry students in North Carolina previewed this book and found it to be better than the two books that they used. They found the language in the text to be “straight forward” and understandable for today’s students. The “Career Links” gave them ideas of possibilities they hadn’t realized they could achieve.