

Secondary Biology and Chemistry Textbook Correlation

While the DSA program has been written with a three-week time frame in mind, teachers should not hesitate to extend this time frame or split the activities to correspond to various segments of their curriculum. The following chart illustrates how DSA concepts align with some of the most widely-used secondary biology and chemistry textbooks.

DSA	Prentice Hall Biology	BSCS Biology — Molecular Approach (Glencoe)	Holt Biology	Glencoe Biology	Holt Modern Chemistry	Glencoe Chemistry	Glencoe: Chemistry, Matter, and Change
Exploration 1: <i>ABCs—Alcohol Basics and Conceptions</i>	Chapter 2: Chemistry of Life	Chapter 1: Chemistry of Life	Chapters 2, 3: Biochemistry	Chapter 6: Chemistry in Biology	Chapter 20: Carbon and hydrocarbons	Chapter 19: The Chemistry of Life	Chapters 23, 24: Substituted Hydrocarbons, Chemistry of Life
Exploration 2: <i>It's in the Blood</i>	Chapter 7: Cell Structure and Function	Chapter 3: Exchanging Materials with the Environment; Chapter 7: Transport Systems	Chapters 4, 5: Cells, Homeostasis, transport	Chapter 7: Cellular Structure and Function	Chapters 12-16: Solutions and their behavior	Chapter 13: Water and its solutions	Chapter 15: Solutions
Exploration 3: <i>Detox Central</i>	Chapter 7: Cell Structure and Function	Chapter 6: Cellular Structures and Their Functions	Chapter 49: Digestive and excretory systems	Chapter 7: Cellular Structure and Function			
Exploration 4: <i>Wired!</i>	Chapter 35: The Nervous System	Chapter 21: Nervous Systems; Chapter 22: Behavior	Chapter 50: The Nervous System	Chapter 33: The Nervous System			
Exploration 5: <i>A Game of Numbers</i>	Chapters 11-14: Genetics	Chapters 12-16: Heredity: Continuity of Life	Chapters 9-13: Genetics	Chapters 10-13: Genetics			
Exploration 6: <i>Walking the Metabolic Tightrope</i>	Chapter 35: The Nervous System	Chapter 21: Nervous Systems; Chapter 22: Behavior	Chapter 50: The Nervous System	Chapter 33: The Nervous System			
Exploration 7: <i>Remembering and Reacting</i>	Chapter 34, 35: Animal Behavior, The Nervous System		Chapter 50: The Nervous System	Chapter 33: The Nervous System			
Exploration 8: <i>Spread the Word</i>							