

Biology Keystone Review Schedule

Monday, May 20th- Module A Review

	Rm A216	Rm A230	Rm A221	Rm A212
2:45-3:05pm	Basic Biological Principles	Biochemistry	Bioenergetics	Homeostasis and Transport
3:10-3:30pm	Basic Biological Principles	Biochemistry	Bioenergetics	Homeostasis and Transport
3:35-3:55pm	Basic Biological Principles	Biochemistry	Bioenergetics	Homeostasis and Transport
4:00-4:20pm	Basic Biological Principles	Biochemistry	Bioenergetics	Homeostasis and Transport

Wednesday, May 22nd- Module B Review

	Rm A216	Rm A230	Rm A212	Rm A221
2:45-3:05pm	Cell Growth and Reproduction	Genetics	Evolution	Ecology
3:10-3:30pm	Cell Growth and Reproduction	Genetics	Evolution	Ecology
3:35-3:55pm	Cell Growth and Reproduction	Genetics	Evolution	Ecology
4:00-4:20pm	Cell Growth and Reproduction	Genetics	Evolution	Ecology

Topics covered in each session:

Basic Biological Principles: Characteristics of Life, Prokaryotes and Eukaryotes, Cellular Organization (Organelles)

Biochemistry: Properties of Water, Biological Macromolecules (Carbohydrates, Lipids, Proteins, and Nucleic Acids), Dehydration Synthesis & Hydrolysis, Enzymes

Bioenergetics: Photosynthesis and Cellular Respiration, ATP

Homeostasis and Transport: Plasma Membrane, Passive Transport (Diffusion, Osmosis, Facilitated Diffusion), Active Transport, Intracellular Transport of Proteins, Homeostasis

Cell Growth and Reproduction: Cell Cycle, Mitosis and Meiosis, DNA Replication

Genetics: Punnett Squares, Protein Synthesis (Transcription and Translation), Mutations

Evolution: Natural Selection, Evidence of Evolution, Speciation

Ecology: Energy Flow, Matter Cycling, Limiting Factors, Species Interactions (Competition, Predation, Symbiotic Relationships), Environmental Response to Natural and Human Disturbances