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## **Semester 1**

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### **Term 1**

- Lab Safety/Class Procedures/Canvas Intro
- Dichotomous Keys
- Levels of Organization
- Cell Theory & Microscope
- Cell Structure and Function
  - Plant v. Animal Cell
  - Photosynthesis
  - Tropisms
  - Reproduction

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### **Term 2**

- Heredity & Genetic Material
- Natural Selection
- Selective Breeding
- Biodiversity
- Structural & Behavioral Adaptations
- Flow of Energy - Food Chains, Webs, & Pyramids

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## **Semester 2**

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### **Term 3**

- Human Body Systems – Circulatory, Digestive, Endocrine, Excretory, Integumentary, Muscular, Nervous, Reproductive, Respiratory, Skeletal
- Life on Earth
- Accommodations for Manned Space Exploration

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### **Term 4**

- Impact of Earth Systems
- Groundwater & Watershed
- W-E-D in Texas Ecoregions
- Impact of Catastrophic Events
- Ecological Succession