

- **Week 1: What Makes Something Alive?**
 - Living vs. non-living vs. once-living things.
 - Basic needs of living organisms (air, water, food, space, light).
 - Interactive activity: Virtual scavenger hunt to identify living vs. non-living objects.
- **Week 2: Plant Structures & Functions**
 - Core plant parts: roots, stems, leaves, flowers, seeds.
 - Photosynthesis made simple (plants making their own food using light, water, and air).
 - Interactive activity: Kahoot and Blooket Games
- **Week 3: The Animal Kingdom & Adaptations**
 - Major animal groups (vertebrates vs. invertebrates, mammals, birds, reptiles, amphibians, fish).
 - Physical and behavioral adaptations (camouflage, mimicry, migration, hibernation).
 - Interactive activity: "Design a Creature" challenge to adapt a new animal to a specific extreme environment.
- **Week 4: Life Cycles**
 - Complete vs. incomplete metamorphosis (butterflies/frogs vs. chickens/plants).
 - Comparing animal and plant life cycles.
 - Interactive activity: Digital sequencing cards to arrange life stages of different organisms.
- **Week 5: Food Chains & Food Webs**
 - Roles in an ecosystem: Producers, consumers (herbivores, carnivores, omnivores), and decomposers.
 - Energy transfer through food chains.
 - Interactive activity: Class-wide digital whiteboard food web build.
- **Week 6: Habitats & Biomes**
 - Exploring major biomes: Deserts, rainforests, oceans, forests, and tundras.
 - How environments support specific plant and animal communities.
 - Interactive activity: Habitat matching game and quick student virtual presentations of their favorite biome.
- **Week 7: Ecosystem Changes & Human Impact**
 - Natural environmental changes (floods, droughts, seasonal shifts).
 - How human activity impacts habitats (conservation, pollution, reforestation).

- Interactive activity: Brainstorming actionable, kid-friendly conservation ideas for home or school.
- **Week 8: Biology Showcase & Review**
 - Comprehensive review game (Jeopardy-style or Kahoot quiz) covering key concepts.
 - Final mini-project presentations: Students share a 2-minute presentation on their chosen favorite plant, animal, or ecosystem.