

## Elementary Microbiology Unit Scope and Sequence Variations

Teaching Lessons over 5 days for 1 ½-2 hours a day:

DAY	LESSONS
1	Lesson 1: Microbes All Around and Inside Us (Have cantaloupes prepared) Lesson 2: The Role of Microbes in an Ecosystem (begin)
2	Lesson 1: Observe cantaloupes Lesson 2: Completion of activities Lesson 3: The Ecosystems Inside Us
3	Lesson 1: Observe cantaloupes Lesson 3: Complete any activities needed Lesson 4: The Body's Natural Defenses--All Parts (Make sure materials have been collected to complete activity)
4	Lesson 1: Observe cantaloupes Lesson 5: CSI Bacteria- All parts
5	Lesson 1: Observe cantaloupes and finish activities Lesson 6: Engineering a Solution – All parts Wrap-up and conclusions

Teaching Lessons over 3 days: 2-3 hours a day:

DAY	LESSONS
1	Lesson 1: Microbes All Around and Inside Us (Have cantaloupes already prepared— Have some showing the decomposition over certain days for participants to observe) Lesson 3: The Ecosystems Inside Us
2	Lesson 1: Observe cantaloupes Lesson 4: The Body's Natural Defenses Lesson 2: The Role of Microbes in an Ecosystem
3	Lesson 1: Observe cantaloupes and finish activities Lesson 5: CSI Bacteria Lesson 6: Engineering a Solution (Make sure to collect materials to complete activity)

Teaching all lessons in 1 day: 6-7 hours:

DAY	LESSONS
1	**If curriculum is only taught in one day, these are the top 4 suggested lessons to cover: Lesson 3: The Microbes Inside Us Lesson 4: The Body's Natural Defenses Lesson 6: Engineering a Solution (Make sure to have all materials ready for lesson) Lesson 5: CSI Bacteria