



## 4<sup>th</sup> Grade Microscopic World Unit

### Consolidated Unit Benchmarks Grouped by Report Card Descriptor

Benchmarks that align with “Understands science concepts” report card descriptor.

- Knows that materials may be composed of parts that are too small to be seen without magnification.
- Knows that some living things consist of a living cell. Like familiar organisms, they need food, water, and an environment they can live in.
- Knows that microscopes make it possible to see that living things are made mostly of cells. Some organisms are made of a collection of similar cells that benefit from cooperating. Some organisms’ cells vary greatly in appearance and perform very different roles in the organism.

Benchmarks that align with “Effectively uses science process skills” report card descriptor.

- Keeps records of investigations and observations and not change the records later.
- Keeps a notebook that describes observations made, carefully distinguishes actual observations from ideas and speculations about what was observed, and is understandable weeks or months later.
- Makes sketches to aid in [reporting observations and] explaining procedures or ideas.
- Able to use a microscope properly and bring an object into focus.

Benchmarks that align with “Actively contributes to one’s own learning and the learning of others in the science classroom” report card descriptor. The list of behaviors is a sample for this category.

- Willing to share reasons for findings and consider reasons suggested by others.
- Shares and takes turn in teams.
- Listens when others talk.
- Asks questions to help understand someone else’s ideas.
- Willing to discuss multiple ideas before selecting one.
- Refrains from putting-down classmates.
- Works collaboratively and responsibly with team members.