

## 5<sup>th</sup> Grade Science Course 2 – Cells & Microorganisms Proficiency Sheet

| Lessons                             | Topics                          | Learning Target                                                                                                                                                   | Activities                                                                    | Score/% | Date taken |
|-------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------|------------|
| <i>Pretest</i>                      |                                 |                                                                                                                                                                   | 5 <sup>th</sup> Grade Science Course 2 Pretest: Cells & Microorganisms        |         |            |
| <b>2.0 Introduction to Cells</b>    | <b>a. Introduction to Cells</b> | I will be able to describe and explain the importance of cells and how they work together to form an organism.                                                    | 1. Introduction to Cells Pretest (fsicourses.net)                             |         |            |
|                                     |                                 |                                                                                                                                                                   | 2. Decomposition Claims-Evidence-Reasoning Activity (liveworksheets.com)      |         |            |
|                                     |                                 |                                                                                                                                                                   | 3. Introduction to Cells Reading for Meaning (liveworksheets.com / Print out) |         |            |
|                                     |                                 |                                                                                                                                                                   | 4. Introduction to Cells Post test (fsicourses.net)                           |         |            |
| <b>2.1 Plant &amp; Animal Cells</b> | <b>a. How Small are Cells?</b>  | I can gather evidence by utilizing technology tools to support a claim that plants and animals are comprised of cells too small to be seen without magnification. | 1. Cells & Microscopes Pretest (fsicourses.net)                               |         |            |
|                                     |                                 |                                                                                                                                                                   | 2. Cells & Microscopes video notes (liveworksheets.com)                       |         |            |
|                                     |                                 |                                                                                                                                                                   | 3. Parts of Microscope Interactive (liveworksheets.com)                       |         |            |
|                                     |                                 |                                                                                                                                                                   | 4. Introduction to the Light Microscope Lab (Print out)                       |         |            |

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|--------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|
|                                                  |                                                 |                                                                                                                                                                                          | 5. Cells & Microscopes Post test (fsicourses.net)                                   |  |  |
|                                                  | <b>b. Parts of Plant &amp; Animal Cells</b>     | - I can develop a model to identify and label parts of a plant and animal cell.<br>- I can construct an explanation that differentiates between the structure of plant and animal cells. | 1. Animal vs. Plant Cells Pretest (fsicourses.net)                                  |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 2. Plant vs. Animal Cells Video Notes (liveworksheets.com)                          |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 3. Plant vs. Animal Cell Venn Diagram (liveworksheets.com)                          |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 4. Identify Parts of Plant & Animal Cells Matching Interactive (liveworksheets.com) |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 5. Animal & Plant Cell Anatomy Felt Models Lab (Print out)                          |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 6. Animal vs. Plant Cells Gallery Walk (Print out)                                  |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 7. Onion & Cheek Cell Microscope Lab (Print out)                                    |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 8. Animal vs. Plant Cells Post test (fsicourses.net)                                |  |  |
| <b>2.2 Beneficial vs. Harmful Microorganisms</b> | <b>a. Beneficial vs. Harmful Microorganisms</b> | I can construct an argument using scientific evidence to support a claim that some microorganisms are beneficial and some microorganisms are harmful.                                    | 1. Beneficial vs. Harmful Microorganisms Pretest (fsicourses.net)                   |  |  |
|                                                  |                                                 |                                                                                                                                                                                          | 2. Beneficial vs. Harmful Microorganisms Video Notes                                |  |  |

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|--------------------|--|--|-------------------------------------------------------------------------------|--|--|
|                    |  |  | (liveworksheets.com)                                                          |  |  |
|                    |  |  | 3. Microorganisms Interactive Review<br>(liveworksheets.com)                  |  |  |
|                    |  |  | 4. Microorganisms Collect, Grow, & Analyze Lab<br>(liveworksheets.com)        |  |  |
|                    |  |  | 5. Beneficial vs. Harmful Microorganisms Post<br>test<br>(fsicourses.net)     |  |  |
| Course 2<br>Review |  |  | 1. Course 2 Review<br>(liveworksheets.com)                                    |  |  |
|                    |  |  | 2. Course 2 Post test: Cells & Microorganisms<br>(fsicourses.net)             |  |  |
|                    |  |  | 3. Course 2 Benchmark Assessment)<br>(Schoolcity)                             |  |  |
|                    |  |  | 4. Course 2 Benchmark Reassess/Accelerate<br>(Assessment print out, Zipgrade) |  |  |