

**Grade 6**Essential Standards: <https://www.dpi.nc.gov/media/4053/open>Unpacked Standards: <https://bit.ly/3aj7Kv4>

| Unit/<br>Cycle | Days | Quarter | Unit Focus                                   | Standards                                |
|----------------|------|---------|--|--|
| 1              | 14   | Q1      | Scientific Method                            | MTS ETS<br>1-1<br>1-4                    |
| 2              | 28   | Q1      | Matter: Properties and Change                | 6.P.2.1<br>6.P.2.3                       |
| 3              | 30   | Q2      | Forces and Motion                            | 6.P.1.1<br>6.P.1.2<br>6.P.1.3            |
| 5              | 14   | Q2      | Energy: Conservation and Transfer            | 6.P.2.2<br>6.P.3.1<br>6.P.3.2<br>6.P.3.3 |
| 6              | 20   | Q3      | Earth in the Universe                        | 6.E.1.1<br>6.E.1.2<br>6.E.1.3            |
| 5              | 14   | Q3      | Earth Systems, Structures and Processes      | 6.E.2.1<br>6.E.2.2<br>6.E.2.3<br>6.E.2.4 |
| 6              | 20   | Q4      | Structures and Functions of Living Organisms | 6.L.1.1<br>6.L.1.2                       |
| 7              | 14   | Q4      | Ecosystems                                   | 6.L.2.1<br>6.L.2.2<br>6.L.2.3            |

**Grade 7**Essential Standards: <https://bit.ly/30FeIPr>Unpacked Standards: <https://bit.ly/3leIG5i>

| Unit/<br>Cycle | Days | Quarter | Unit Focus  | Standards  |
|----------------|------|---------|---|--|
| 1              | 30   | Q1      | <b>Forces and Motion</b>                            | 7.P.1.1<br>7.P.1.2<br>7.P.1.3<br>7.P.1.4                       |
| 2              | 30   | Q1/Q2   | <b>Energy: Conservation and Transfer</b>            | 7.P.2.1<br>7.P.2.2<br>7.P.2.3<br>7.P.2.4                       |
| 3              | 30   | Q2      | <b>Earth Systems, Structures and Processes</b>      | 7.E.1.1<br>7.E.1.2<br>7.E.1.3<br>7.E.1.4<br>7.E.1.5<br>7.E.1.6 |
| 4              | 30   | Q3      | <b>Structures and Functions of Living Organisms</b> | 7.L.1.1<br>7.L.1.2<br>7.L.1.3<br>7.L.1.4                       |
| 5              | 30   | Q3/Q4   | <b>Evolution and Genetics</b>                       | 7.L.2.1<br>7.L.2.2<br>7.L.2.3                                  |

**Grade 8**Essential Standards: <https://www.dpi.nc.gov/media/4053/open>Unpacked Standards: <https://bit.ly/8thSGS>Test Specifications: <https://www.dpi.nc.gov/media/10840/open>

| Unit/<br>Cycle | Days | Quarter | Unit Focus                                 | Standards                                |
|----------------|------|---------|--|--|
| 1              | 30   | Q1      | Matter: Properties and Change              | 8.P.1.1<br>8.P.1.2<br>8.P.1.3<br>8.P.1.4 |
| 2              | 20   | Q1/Q2   | Energy: Conservation and Transfer          | 8.P.2.1<br>8.P.2.2                       |
| 3              | 20   | Q2      | Earth: System, Structures, and Processes   | 8.E.1.1<br>8.E.1.2<br>8.E.1.3<br>8.E.1.4 |
| 4              | 20   | Q2/ Q3  | Ecosystems                                 | 8.L.3.1<br>8.L.3.2<br>8.L.3.3            |
| 5              | 20   | Q3      | Earth History                              | 8.E.2.1<br>8.E.2.2                       |
| 6              | 15   | Q3      | Evolution and Genetics                     | 8.L.4.1<br>8.L.4.2                       |
| 7              | 20   | Q4      | Structure and Function of Living Organisms | 8.L.1.1<br>8.L.1.2<br>8.L.2.1            |
| 8              | 10   | Q4      | Molecular Biology                          | 8.L.5.1<br>8.L.5.2                       |