

# Lansing School District Eighth Grade Science Year-At-A-Glance Expected Pacing

## Amplify Core Content Unit One: Harnessing Human Energy (11 Lessons)

| Chapters                                  | Q1 Dates                      | Lessons   |
|---|-------------------------------|---|
|   | Aug. 20-22                    | Community building/routines/procedures  |
| Chapter 1: What Is Energy?                | Aug. 25-28                    | Lessons: 1.1 (Welcome to Energy REsearch Lab), 1.2 (Investigating Energy Claims), 1.3 (Identifying Kinetic Energy and Potential Energy) and 1.4 ("Energy Inventions") |
| Chapter 2: The Rescue Team's Energy Needs | Sept. 2-5                     | Lessons: 2.1 (Investigating Claims About How Objects Get Energy), 2.2 (Evaluating Energy Sources), and 2.3 (Writing Scientific Arguments)                             |
|   | Sept. 8-12                    | Flex Week (Used to catch up on pacing or Review Topics)   |
| Chapter 3: Designing an Energy Solution   | Sept. 15-19                   | Lessons: 3.1 (Reading About Energy Systems), 3.2 (Designing and Explaining Energy Systems), 3.3 (Evaluating an Energy Solution), and 3.4 (End-of-Unit Assessment)     |
| Unit: Force and Motion (19 Lessons)       |                               |   |
| Chapter 1: Force and Velocity             | Sept. 22-25<br>Fri. No School | Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Describing Changes in Motion), 1.3 (Investigating Direction of Force), and 1.4 (Explaining Force and Velocity)               |
|   | Sept. 29- Oct. 3              | Lessons: 1.5 (Force Strength and Velocity Change), 1.6 (Evaluating Claims and Thruster Forces)  |
| Chapter 2: Mass and Velocity              |                               | Lessons: 2.1 (Exploring Mass, Force, and Velocity), and 2.2 ("Designing Wheelchairs")   |

## Lansing School District Eighth Grade Science Year-At-A-Glance Expected Pacing

|  |                                   | <b>Amplify Core Content</b><br><b>Unit One: Force and Motion (19 Lessons)</b>  |
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| Chapters                                 | Q1 Dates                          | Lessons  |
| Chapter 2: Mass and Velocity             | Oct. 6-10                         | Lessons: 2.3 (Explaining Mass, Force, and Velocity), 2.4 (Critical Juncture Assessment), and 2.5 (Reviewing Mass, Force, and Velocity) |
| Chapter 3: Collisions                    | Oct. 13-16<br>Fri. No School      | Lessons: 3.1 ("Crash!"), 3.2 (Investigating Collision Forces), 3.3 (Effect of Collisions), and 3.4 (Reasoning About the Pod's Motion)  |
| Chapter 4: Force, Motion, and Movie Sets | Oct. 20-24                        | Lessons: 4.1 (Using Physics on Movie Sets), 4.2 (Discussing Physics and Movie Sets), 4.3 (Writing A Scientific Argument)               |
|  | Oct. 27-Oct. 30<br>Fri. No School | Flex Week- Used to reteach or for pacing alignment<br>4.4 (End of Unit Assessment)   |