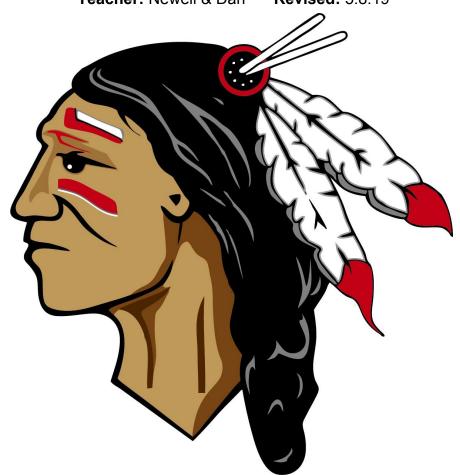
## Westside Middle School 6th Grade Science Curriculum Map 2019-2020

**Teacher:** Newell & Darr **Revised:** 5.8.19



Map is still under construction and will be revised throughout the year.

## WESTSIDE MIDDLE SCHOOL 6TH GRADE SCIENCE CURRICULUM MAP

Teacher: Newell & Darr

| Teacher: Newell & Darr                  |  |                        |     |  |  |
|---|--|------------------------|-----|--|--|
| Quarter 1                               |  |                        |     |  |  |
| Topic: Intro to Science & Earth's Syste | ems  |                        |     |  |  |
| Essential Questions:                    |  |                        |     |  |  |
| Students will consider                  |  |                        |     |  |  |
| How can data be used to achieve         | <ul> <li>How can data be used to achieve an optimal design of an object or tool? (6-ETS1-4)</li> </ul> |                        |     |  |  |
| Students will                           |  |                        |     |  |  |
| CONTENT VOCABL                          | AR STANDARDS / SK<br>JLARY WITHIN THE STANDARD WILL BE TAUGH   |                        | LS. |  |  |
|   |  |                        |     |  |  |
| Science/Engineering Practices           | Disciplinary Core Idea   | Crosscutting Concepts: |     |  |  |
|   |  |                        |     |  |  |
|   |  |                        |     |  |  |
|   |  |                        |     |  |  |
|   |  |                        |     |  |  |

| Activities/Skills | Assessments | Resources | Vocabulary |
|-------------------|-------------|-----------|------------|
| •                 | •           | •         |            |

| Quarter 2                              |
|--|
| Topic: Structure and Function of Cells |
| Essential Questions:                   |
| Students will consider                 |
| •                                      |
| I will                                 |

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## AR STANDARDS / SKILLS

CONTENT VOCABULARY WITHIN THE STANDARD WILL BE TAUGHT THROUGHOUT DAILY OBJECTIVES / GOALS

## Life Science

| Scale, Proportion, and Quantity  Phenomena that can be observed at one scale may not be observable at another scale. (6-LS1-1)  Structure and Function  Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the relationships among its parts; therefore complex natural structures/systems can be analyzed to determine how they function. (6-LS1-2)  Interdependence of Science, Engineering, and Technology  Engineering advances have led to important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems. (6-LS1-1) | Science/Engineering Practices | Disciplinary Core Idea | Crosscutting Concepts:   |
|---|-------------------------------|------------------------|--|
| important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems.  |                               |                        | Phenomena that can be observed at one scale may not be observable at another scale. (6-LS1-1)  Structure and Function Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the relationships among its parts; therefore complex natural structures/systems can be analyzed to determine how they function. (6-LS1-2)  Interdependence of Science, Engineering, and Technology |
|   |                               |                        | •Engineering advances have led to important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems.   |

| Activities/Skills | Assessments | Resources | Vocabulary/Terms |
|-------------------|-------------|-----------|------------------|
| •                 | •           | •         |                  |

| Quarter 3  |
|--|
| Topic: Structure and Function of Cells Growth and Development of Organisms |
| Essential Questions:   |
| Students will consider   |
| •  |
|  |
| I will   |

| CONTENT VOCAL                 | AR STANDARDS /<br>BULARY WITHIN THE STANDARD WILL BE TAL |                        | /GOALS.          |  |
|-------------------------------|--|------------------------|------------------|--|
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               | 5  |                        |                  |  |
| Science/Engineering Practices | Disciplinary Core Idea                                   | Crosscutting Concepts: |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |
| Activities/Skills             | Assessments  | Resources              | Vocabulary/Terms |  |
| •                             | •  | •                      |                  |  |
|                               |  |                        |                  |  |
|                               |  |                        |                  |  |

| Quarter 4 Topic: Growth and Development of Organisms Human Impact Weather & Climate |   |                        |                  |
|---|---|------------------------|------------------|
| Essential Questions:  |   |                        |                  |
| Students will consider  |   |                        |                  |
| I will  |   |                        |                  |
| • X   |   |                        |                  |
| CONTENT VOCA  | AR STANDARDS / SK<br>BULARY WITHIN THE STANDARD WILL BE TAUGH |                        | ALS.             |
|   |   |                        |                  |
| Science/Engineering Practices   | Disciplinary Core Idea  | Crosscutting Concepts: |                  |
| •   | •   | •                      |                  |
| Activities/Skills   | Assessments   | Resources              | Vocabulary/Terms |

• Kesler Science

Gizmos ReadWorks NEWSELA

Pre/Post Test

Exit Slips
Writing/CER/Reflections
Projects/ Models

|  | <ul><li>Teachers Pay Teacher</li><li>BetterLesson</li><li>Interactive notebook</li></ul> |  |
|--|--|--|
|  |  |  |