**Science Department – Mansfield ISD – Lesson Plans**

**Teacher: Natalie Clark Six Weeks: 4th Six Weeks**

**Subject: 8th Grade PreAp Science Week of: 1/13/2020-1/17/2020**

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|  | **Objective** | **Instructional Procedure** | **TEKS** |
| **Monday** | (A) describe components of the universe, including stars, nebulae, and galaxies, and use models such as the Hertzsprung-Russell diagram for classification;  (B) recognize that the Sun is a medium-sized star located in a spiral arm of the Milky Way galaxy and that the Sun is many thousands of times closer to Earth than any other star; | What is an HR Diagram?  **Homework/Study:**  **Update IAN**  **Upcoming dates:**  1/21/2020- Rainbow lab  1/23/2020- Universe Lab  1/24/2020- Astronomy Quiz | **8.8** |
| **Tuesday** | (A) describe components of the universe, including stars, nebulae, and galaxies, and use models such as the Hertzsprung-Russell diagram for classification;  (B) recognize that the Sun is a medium-sized star located in a spiral arm of the Milky Way galaxy and that the Sun is many thousands of times closer to Earth than any other star; | HR Diagram Chart Activity  **Homework/Study:**  **Update IAN**  **Upcoming dates:**  1/21/2020- Rainbow lab  1/23/2020- Universe Lab  1/24/2020- Astronomy Quiz | **8.8** |
| **Wednesday** | (A) describe components of the universe, including stars, nebulae, and galaxies, and use models such as the Hertzsprung-Russell diagram for classification;  (B) recognize that the Sun is a medium-sized star located in a spiral arm of the Milky Way galaxy and that the Sun is many thousands of times closer to Earth than any other star; | HR diagram Questions  Life Cycle of a Star Puzzle- Due 1/17/2020  **Homework/Study:**  **Update IAN**  **Upcoming dates:**  1/21/2020- Rainbow lab  1/23/2020- Universe Lab  1/24/2020- Astronomy Quiz | **8.8** |
| **Thursday** | (A) describe components of the universe, including stars, nebulae, and galaxies, and use models such as the Hertzsprung-Russell diagram for classification;  (B) recognize that the Sun is a medium-sized star located in a spiral arm of the Milky Way galaxy and that the Sun is many thousands of times closer to Earth than any other star; | **Complete Star Book**  **Astronomy Questions**  **Homework/Study:**  **Update IAN**  **Upcoming dates:**  1/21/2020- Rainbow lab  1/23/2020- Universe Lab  1/24/2020- Astronomy Quiz | **8. 8** |
| **Friday** | (C) identify how different wavelengths of the electromagnetic spectrum such as visible light and radio waves are used to gain information about components in the universe | **What is an electromagnetic spectrum?**  **Homework/Study:**  **Update IAN**  **Upcoming dates:**  1/21/2020- Rainbow lab  1/23/2020- Universe Lab  1/24/2020- Astronomy Quiz | **8.8** |

**\*\* Lesson plans are subject to change.**