Maureen M. Drees

Physics Lesson Plans

May 14-18, 2018

Note: Wednesday is a 2:25 dismissal for professional development. Thursday is the last day for seniors.

Essential concepts and skills emphasized in the week’s lessons will be highlighted.

Disciplinary Core Ideas

Life Science

1. From molecules to organisms: Structures and processes
2. Ecosystems: Interactions, energy, and dynamics
3. Heredity: Inheritance and variation of traits
4. Biological Evolution: Unity and diversity

Earth and Space Science

1. **Earth’s place in the universe**
2. Earth’s systems
3. Earth and human activity

Physical Science

1. Matter and its interactions
2. Motion and stability: Forces and interactions
3. Energy
4. Waves and their applications in technologies for information transfer

Science and Engineering Practices

1. **Asking questions and defining problems**
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. **Constructing explanations and designing solutions**
7. **Engaging in argument from evidence**
8. **Obtaining, evaluating, and communicating information**

Cross-Cutting Concepts

1. Patterns
2. Cause and effect
3. Scale, proportion, and quantity
4. Systems and system models
5. **Energy and matter**
6. Structure and function
7. Stability and change

Monday—

* 1. Students draw each other’s index cards, answer question and cite evidence
  2. Discussion where student shares question he/she received from “At the Heart of All Matter,” who asked question, answer, and evidence
  3. Student who asked question responds

Tuesday—

* + 1. Finish discussion by answering questions Mrs. Drees posed from “At the Heart of All Matter’’
    2. Read and discuss together follow-up article “Hunting for More Knowledge of Universe”

Wednesday—shortened periods

* + - 1. Hand out student graduation cards
      2. Sign check out sheets
      3. Share plans for after high school
      4. Share early school memories

Thursday—seniors last day

Friday—