Maureen M. Drees

Physics Lesson Plans

September 11-15, 2017

Note: Tuesday afternoon there will be a substitute while I’m at the District Leadership Team meeting. Wednesday is a 2:25 dismissal for professional development. Friday afternoon we will decorate halls and sprit boards for Homecoming.

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. Establish write up groups will use for estimating the number of blades of grass on the football field
  2. Groups carry out procedures to estimate number of blades of grass on football field
  3. Write up, compare estimates, discuss hand in write ups

Tuesday—Substitute

* + 1. Let students know that the Chapter 1 Test will be on Monday and Tuesday, we will preview tomorrow
    2. Chapter 1 Review 1-25, 27-28, 41, 45 pages 27-31 due Friday, will work on a little in class Wednesday and most of class on Thursday

Wednesday—shortened schedule

1. Preview Chapter 1 Test—The Science of Physics—for Monday and Tuesday

2. Popcorn Read Chapter Highlights page 26 together

* + 1. Go Fish for Chapter 1 Vocabulary
    2. Chapter 1 Review 1-25, 27-28, 41, 45 pgs 27-31 due Friday

Thursday—

* + - * 1. Practice cloze procedure and vocabulary together
        2. Work on Chapter 1 Review

Friday—may adjust periods

Questions, check Chapter 1 Review, worth 4 daily grades

Prepare for Test Monday and Tuesday, talk through how two-day test will work, must do vocab and cloze first day, need to spread out, will meet you at the door with the test, will use pencil and calculator, may star problems you want to come back to