Mrs. Ostrowski’s lesson plans

NGSS: LS 3-1, 4-5

Objectives:

1. List three important events that led to understanding the structure of DNA.
2. Describe the basic structure of a DNA molecule.
3. Explain how DNA molecules can be copied.
4. Describe mutations and provide examples of those.
5. Describe two examples of genetic knowledge.
6. Using the genetic knowledge to help the ficticious family decide if they should clone their child or not based on the situation. (PBL)

Differentiation: Whole group, small group, one on one

Resources: Text book, interactive notebook, video clips, labs, PBL information

Date: 3/15/19

Periods: 2-6: Watch the introduction video on DNA. Complete the start up activity on page 85. Due today.

Periods 7&9: Read 3.3 and fill out meiosis notes in the interactive notebook.

Date: 3/18/19

Periods 2-6: Set up IN for DNA

Periods 7&9: Go over interactive notebook. Chapter 3 assessment (open note/book)

Date: 3/19/19

Periods 2-6: Read 4.1, notes in IN as a group.

Periods: 7&9: Finish assessment

Date: 3/20/19

Periods 2-6: Read 4.2 as a group. Watch the 60 minutes clip about sickle cell anemia.

Periods 7&9: Brain Pop introduction. Fingerprint start up activity in groups.

Date: 3/21/19

Periods 2-6: DNA Strawberry L:ab due end of class 3/22

Periods: 7&9: Read 4.1 and answer the WYWL on page 87

Date: 3/22/19

All- DNA lab

3/25-3/29- NO SCHOOL Spring Break

Date: 4/1/19

Periods 2-6: Meet the problem for the PBL on cloning. Cloning webquest activity.

Periods 7&9: Finish lab. Read 4.2 and answer the WYWL

Date: 4/2/19

Periods 2-6: News article about cloning with questions.

Period 7&9: Mutations article with questions.

Date: 4/3/19

Periods 2-6: Finish up webquest and questions

Periods 7&9: Bill Nye Cloning video with questions. Meet the problem PBL

Date: 4/4/19

Periods 2-6: PBL Letter due 4/9.

Periods 7&9: Cloning web activity

Date: 4/5/19

Periods 2-6: Letter

Periods 7&9: PBL project due 4/10