Mrs. Ostrowski’s Lesson Plans

Objectives: After this unit the students will be able to…

1. Explain the relationship between traits and heredity.
2. Describe the experiments of Mendel
3. Explain the differences between dominant and recessive traits.
4. Explain how genes and alleles are related to genotype and phenotype.
5. Use the information in a Punnett square
6. Describe 3 exceptions to Mende’s observations.
7. Explain the differences of mitosis and meiosis.
8. Describe how chromosomes determine sex.

Standards: LS 3-1, 4-5

Differentiation/Resources: Reading whole group, reading independently, interactive notebook notes and activities, videos, tablets, activities in small groups

Date: 2/11/19-2/12/19

1. Periods 2-6: Cracking the Code of Life movie with notes
2. Periods 7 & 9: Finish cancer project

Date: 2/13/19

1. Periods 2-6: Genetics Brain pop.
2. Start up lab activity- due beginning of class tomorrow.
3. Set up Interactive Notebook
4. Periods 7 & 9: Present Projects

Date 2/14/19

1. Periods 2-6: Read 3.1 as a group.
2. Take notes together in IN
3. Work on vocab in the IN.
4. Periods 7 & 9: Present projects.
5. Cracking the Code Movie with notes.

Date: 2/15/19—No school Institute Day

Date: 2/18/19- No school

Date: 2/19/19

1. Periods 2-6: Bill Nye genetics movie with notes
2. Work on IN
3. Periods 7&9: Finish cracking the code video with notes.

Date: 2/20/19

1. Periods 2-6: Read 3.2 together as a class.
2. IN notes together
3. Practice Punnett squares
4. Periods 7&9: Start up activity due tomorrow
5. Set up IN

Date: 2/21/19

1. Periods 2-6: Our Traits page whole class.
2. Punnett Square practice.
3. Periods 7&9: Read 3.1 as a group
4. IN notes whole group

Date: 2/22/19

1. Periods 2-6: Punnett square practice
2. Periods 7&9: Genetics video with notes, work on vocab in IN.

Date: 2/25/19

1. Periods: 2-6: Non Mendel notes in IN.
2. Incomplete dominance activity due tomorrow.
3. Periods 7&9: Read 3.2 with a partner.
4. Page 67- all problems due tomorrow beginning of class.

Date: 2/26/19

1. Periods 2-6: Genetics with a Smile Activity due end of class tomorrow
2. Periods 7&9: Our Traits activity, whole group
3. Punnett Square practice

Date: 2/27/19

1. Periods 2-6: Read 3.3 as a group.
2. IN notes together
3. GMO article with questions due tomorrow.
4. Periods 7&9: Punnett Square practice

Date: 2/28/19

1. Periods 2-6: Selective breeding activity due Tuesday March 5th.
2. Periods 7&9: Punnett Square practice

Date: 3/1/19 ½ day

1. All classes will catch up on activities from the unit.

Date: 3/4/19- no school

Date: 3/5/19

1. Periods 2-6: Review unit
2. Interactive notebook check- formative
3. Periods 7&9: Incomplete dominance activity due today

Date: 3/6/19

1. Periods 2-6: Assessment Wednesday and Thursday (3/6, 3/7)
2. Periods 7&9- Non Mendel Notes. Monster Mutations activity due beginning of class Friday 3/8

Date: 3/7/19

1. Periods 2-6: Assessment
2. Periods 7&9: Monster mutation due beginning of class tomorrow

Date: 3/8/19

1. Periods 2-6: I am not sure what these classes will be doing until we start the next unit.
2. Periods 7&9: Read 3.3 as a whole group.
3. Meiosis activity. Due end of class Monday.

Date: 3/11/19- 3/12/19

1. Periods 2-6: ?
2. Periods 7&9: Selective breeding activity due end of class Tuesday.

Date: 3/13/19

1. Periods 2-6: ?
2. Periods 7&9: Review whole group

Date: 3/14-3/15

1. Periods 2-6: ?
2. Periods 7&9: Assessment