

Learning Objectives – “Students can...”

1. Analyze new concept vocabulary – Vocabulary Enhancement (BW)
2. Complete the “Best Tests” lab data organizer: Class results / Analyzing data (Activity 1)

Assessment

In-class completion of the notebook/bell work
Complete the “Best Tests” lab data organizer: Class results / Analyzing data

Homework

1. Complete the “Best Tests” lab data organizer: Class results / Analyzing data (Activity 1) – 11/6
2. Complete BW vocabulary (5 terms) – 11/7
3. Notebook Assessment 2-2 (Peer Review) – 11/7
4. Science Fair - Data Collection – 11/7

Reminders / DO NOT COPY

SCIENCE FAIR CALENDAR

Model notebook entries can be found below at the Teacher’s NB. Use this resource to keep your notebook accurate.

Bell work

Using the vocabulary list provided at your seat: *Complete the five starred* terms*

For each term on the list you may do one of the following:

- Copy
- Summarize
- Provide an example

Incomplete or incorrect vocabulary will be scored accordingly.

No pictures – Text only

***Vocabulary assignments must be complete prior to notebook assessments – please plan/prepare accordingly.*

Linked Documents and Class Resource

[Teacher’s NB 11/5](#)

[Population Study 101: Lab Series](#)

[Vocabulary 6-1](#) ↓

[The Best Test – Lab Results](#)

District Content Descriptor:

Construct, use, and present oral and written arguments supported by empirical evidence and scientific reasoning to support or refute an explanation or a model for a phenomenon. (07-PS3-5)

Modeling in 6–8 builds on K–5 and progresses to developing, using and revising models to describe, test, and predict more abstract phenomena and design systems - **Develop a model to describe unobservable mechanisms.** (07-PS3-2)

Science Fair – Best Practices Modeling Sequence / Population & Behavior Studies

Fayette County
 2018-19
 District Content Map

Date: November 6, 2018		School Day: 055	
Learning Objectives – “Students can...”		Assessment N/A	
No School – Election Day			
Homework 1. Complete the “Best Tests” lab data organizer: Class results / Analyzing data (Activity 1) – 11/6 2. Complete BW vocabulary (5 terms) – 11/7 3. Notebook Assessment 2-2 (Peer Review) – 11/7 4. Science Fair - Data Collection – 11/7 <hr/> Reminders / DO NOT COPY <u>SCIENCE FAIR CALENDAR</u> Model notebook entries can be found below at the Teacher’s NB. Use this resource to keep your notebook accurate.		Bell work Using good-practice reading techniques, read this week’s science article. When you finish reading, complete the article questions below. N/A	
Linked Documents and Class Resource		<i>Teacher’s NB 11/6</i>	<i>Science Article: N/A</i>
<i>Vocabulary 6-1 ↓</i> <i>The Best Test – Lab Results</i>		<i>Population Study 101: Lab Series</i>	
District Content Descriptor:			
Construct, use, and present oral and written arguments supported by empirical evidence and scientific reasoning to support or refute an explanation or a model for a phenomenon. (07-PS3-5) <hr/> Modeling in 6–8 builds on K–5 and progresses to developing, using and revising models to describe, test, and predict more abstract phenomena and design systems - Develop a model to describe unobservable mechanisms. (07-PS3-2) Science Fair – Best Practices Modeling Sequence / Population & Behavior Studies		<i>Fayette County 2018-19 District Content Map</i>	

Learning Objectives – “Students can...”

1. Use critical thinking to solve a problem. (BW)
2. Notebook Assessment 2-2 (Peer Review)

Assessment

In-class completion of the notebook/bell work
Notebook Assessment 2-2 (Peer Review)

Homework

1. Complete data table graphing questions – 11/8
2. Quiz #10: Labs & Notebook Concepts – 11/9
3. Science Fair: Sample graph – 11/16

Reminders / DO NOT COPY

SCIENCE FAIR CALENDAR

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Bell work

Complete today’s challenge question in the notebook. When you finish, **record your answer on a small piece of paper and place it in the solutions chest at the front of the room.**

Read the question and then analyze the data provided.

Based on fitness - How many different sub-groups would make up the pie-graph?

Gender	Age	Fitness	1	2	3
B	11	H	38.3	17.6	15.3
B	12	M	18	25.5	29
G	13	H	34	15	35
G	11	L	23	26.5	25
B	13	L	23	45	41

Linked Documents and Class Resource

[Teacher’s NB 11/7](#)

[Population Study 101: Lab Series](#)

[NB Assessment Rubric](#)

[The Best Test – Lab Results](#)

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Science Fair – Best Practices Modeling Sequence / Population & Behavior Studies

Fayette County
 2018-19
 District Content Map

Learning Objectives – “Students can...”

1. Analyze and respond to the YouTube - Q Review. (BW)
2. Complete the “Best Tests” lab data organizer: Class results / Analyzing data (Activity 2)

Assessment

In-class completion of the notebook/bell work
Complete the “Best Tests” lab data organizer: Class results / Analyzing data (Activity 2)

Homework

1. Complete group comparison graphing – 11/12
2. Quiz #10: Labs & Notebook Concepts – 11/9
3. Science Fair: Sample graph – 11/16

Reminders / DO NOT COPY

SCIENCE FAIR CALENDAR

Model notebook entries can be found below at the Teacher’s NB. Use this resource to keep your notebook accurate.

Bell work

YouTube Science – Watch the video and respond to the questions below.

1. Based on the video identify **two** science fair **best** practices
2. Based on the video identify **two** science fair **worst** practices
3. How does selecting a project that is “relatable” help to motivate students?



YouTube Video Link – Science Fair²

Linked Documents and Class Resource

[Teacher’s NB 11/8](#)

[Population Study 101: Lab Series](#)

[YouTube Science: Science Fair² \(0:00 – 5:15\)](#)

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Science Fair – Best Practices Modeling Sequence / Population & Behavior Studies

Fayette County
2018-19
District Content Map

Date: November 9, 2018

School Day: 058

Learning Objectives – “Students can...”

1. Share ideas by writing a paragraph in their science journal. (BW)
2. Quiz 10: Labs & Notebook Concepts

Assessment

In-class completion of the notebook/bell work
Quiz 10: Labs & Notebook Concepts

Homework

1. Complete group comparison graphing – 11/12
2. Quiz #10: Labs & Notebook Concepts – 11/9
3. Science Fair: Sample graph – 11/16

Reminders / DO NOT COPY

SCIENCE FAIR CALENDAR

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Bell work

Science Journal: Day 10

Complete a paragraph containing no less than five additional sentences that continue the lead below.

“My science fair project is due in just over two weeks, I need to...”

Linked Documents and Class Resource

[Teacher’s NB 11/9](#)

*Quiz 10-1**

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Science Fair – Best Practices Modeling Sequence / Population & Behavior Studies

*Fayette County
2018-19*

District Content Map

Week 13: November 5 – November 9, 2018

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Vocabulary 6-1

You are expected to familiarize yourself with these concept terms – complete the terms that are (*) as part of the weekly bell work.

Vocabulary Term	Definition
Outlier*	a person or thing differing from all other members of a particular group or set
Validity*	the state of being acceptable according to the law
Demographic	is the study of a population based on factors such as age, race and gender
Pictograph	is a graph that shows numerical information by using picture symbols or icons to represent data sets
Pie Chart	a type of graph in which a circle is divided into sectors that each represent a proportion of the whole.
Error*	the state or condition of being wrong in conduct or judgment
Blunder*	a stupid or careless mistake.
Statistical/Random Error*	an error in measurement caused by factors that vary from one measurement to another.
Scatter Plot	a graph in which the values of two variables are plotted along two axes, the pattern of the resulting points revealing any correlation present.
Statistics	a branch of mathematics dealing with the collection, analysis, interpretation, and presentation of masses of numerical data
Survey	to take a general or comprehensive view of or appraise, as a situation, area of study, etc.

