

**Learning Objectives – “Students can...”**

1. Analyze new concept vocabulary – Vocabulary Enhancement (BW)
2. Lab 1-1 (Confetti Canon) Data Collection<sup>2</sup> (Continued) & Graphing<sup>1</sup>

**Assessment**

- In-class completion of the notebook/bell work (f)
- Lab 1-1 (Confetti Canon) Data Collection (Day 5)

**Homework**

1. Data Collection<sup>2</sup> (Confetti Canon Lab 1-1) – 8/28
2. Complete bell work vocabulary (5 terms) - 8/29
3. Notebook Assessment 1-1: If you have missing work visit [www.wegerscience.com](http://www.wegerscience.com) and get caught up – 8/29

**Reminders / DO NOT COPY**

Collect box material for gravity coaster lab 3-1  
Turn in \$15.00 lab supplies fee

**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 8/27](#)

[CC Lab 1-1 Handouts](#)

Vocabulary 1-1<sup>2</sup> ↓  
@ Bottom

**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)

Connections to Nature of Science

Scientific Knowledge is Based on Empirical Evidence

Science knowledge is based upon logical and conceptual connections between evidence and explanations (07-PS3-4),(07-PS3-5)

Fayette County  
2018-19  
District Content Map

**Week 3: August 27 - 31, 2018**

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**Learning Objectives – “Students can...”**

1. Analyze and respond to our weekly Science Article: Urine/Phosphorus (BW)
2. Lab 1-1 (Confetti Canon) Data Collection (Day 2)

**Assessment**

In-class completion of the notebook/bell work (f)  
Graphing (Confetti Canon Lab 1-1) – Lab 1

**Homework**

1. Graphing (Confetti Canon Lab 1-1) – 8/29
2. Complete bell work vocabulary (5 terms) - 8/29
3. Notebook Assessment 1-1: If you have missing work visit [www.wegerscience.com](http://www.wegerscience.com) and get caught up – 8/29

**Reminders / DO NOT COPY**

Collect box material for gravity coaster lab 3-1

Turn in \$15.00 lab supplies fee

**Bell work**

Using good-practice reading techniques, read this week’s science article. When you finish reading, complete the article questions below.

1. **True or False: We use only 10% of our brain. Explain your response with a supporting detail from the article.**
2. **What activities have been scientifically proven to stimulate better brain function?**
3. **What are three things you can do to appear smarter?**
4. **Define: fluid intelligence and explain – what is the key to unlocking your brain power?**
5. **Are we getting less intelligent as a species? Explain using details from the article.**

**Linked Documents and Class Resource**

[Teacher’s NB 8/28](#)

[Science Article 1-2: Can we make ourselves smarter?](#)

[CC Lab 1-1 Handouts](#)

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Fayette County

2018-19

District Content Map

**Learning Objectives – “Students can...”**

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

**Assessment**

In-class completion of the notebook/bell work (f)  
 Notebook Assessment 1-1 (Summative NB 1-1)

**Homework**

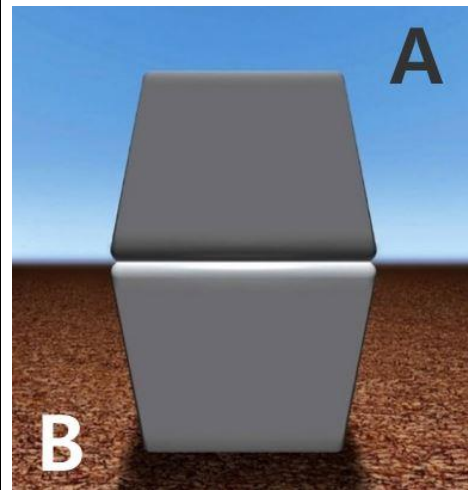
1. Conclusion (Confetti Canon Lab 1-1) – 8/31
2. Quiz 2-1: Lab 1-1 & Notebook Concepts – 8/31

**Reminders / DO NOT COPY**

Collect box material for gravity coaster lab 3-1  
 Turn in \$15.00 lab supplies fee

**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.**



The human brain is constantly looking for patterns. As it searches for familiar occurrences - the brain uses certain cues to interpret information and make sense of the world around us.



1. Look at the image.
2. Which side of the image is darker A or B?
3. Complete today's bell work by summarizing the explanation - after discussion.

**Linked Documents and Class Resource**

[Teacher's NB 8/29](#)

[CC Lab 1-1 Handouts](#)

[NB Assessment Rubric](#)

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Fayette County

2018-19

District Content Map

**Learning Objectives – “Students can...”**

1. Analyze and respond to the YouTube - Q Review. (BW)
2. Lab 2-1 (Infinite Variables Table) Controls, Variables & Chance

**Assessment**

In-class completion of the notebook/bell work (f)  
 Lab 2-1: Controls, Variables & Chance / Hypothesis (f)

**Homework**

1. Conclusion (Confetti Canon Lab 1-1) – 8/31
2. Quiz 2-1: Lab 1-1 & Notebook Concepts – 8/31
3. Complete hypothesis (Lab 2-1 Infinite Variables) – 3/4

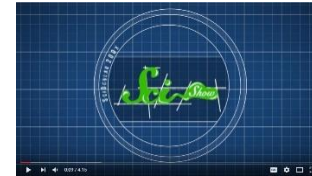
**Reminders / DO NOT COPY**

Collect box material for gravity coaster lab 3-1  
 Turn in \$15.00 lab supplies fee

**Bell work**

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

1. **Define the term plasticity?** Use dialog from the video to support your explanation.
2. **What did they find out about using brain games – Did the groups used in the study get “smarter”?**
3. **Does this week’s article agree with the video?** Provide an example to support your answer.
4. **Identify: What are two activities you can do to help your brain stay healthy?**



YouTube Video Link - Innovation

**Linked Documents and Class Resource**

[Teacher’s NB 8/30](#)

[YouTube Science Video - Brain Games](#)

[CC Lab 1-1 Handouts](#)

[Infinite Variables Lab 2-1](#)

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Fayette County  
 2018-19  
 District Content Map

**Date:** August 31. 2018

**School Day:** 012

**Learning Objectives** – “Students can...”

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

**Assessment**

In-class completion of the notebook/bell work (f)  
Quiz 2-1: Lab 1-1 & Notebook Concepts (f)

**Homework**

1. Conclusion (Confetti Canon Lab 1-1) – 8/31
2. Quiz 2-1: Lab 1-1 & Notebook Concepts – 8/31
3. Complete hypothesis (Lab 2-1 Infinite Variables) – 3/4

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**Bell work**

Science Journal: Day 2

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

**“My brain is pretty amazing, just this week I learned...”**

**Linked Documents and Class Resource**

[Teacher’s NB 8/31](#)

[Infinite Variables Lab 2-1](#)

[CC Lab 1-1 Handouts](#)

Quiz 2-1\*

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*Fayette County  
2018-19*

*District Content Map*

**Week 3: August 27 - 31. 2018**

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## Vocabulary 2-1 – Understanding Science<sup>2</sup>

Concept Vocabulary – Complete the starred\* terms in the notebook.

<b>Vocabulary Term</b>	<b>Definition</b>
Conclusion	<b>A summary based on experimental evidence.</b> A conclusion explains an observation, question, hypothesis, experimental design, experimental/graphic data and summary statement.
Ethics	<b>The moral principles of behavior, and the careful consideration of an action.</b> Example: Scientific - <u>Can we use</u> DNA to make a dinosaur? – Ethical: <u>Should we</u> use DNA to make a dinosaur?
Experiment	<b>A scientific procedure used to make a discovery, test a hypothesis, or demonstrate a known fact.</b>
Genius	<b>Very clever;</b>
Hypothesis	<b>A proposed explanation made on the basis of limited evidence.</b>
Invention – Innovation	<b>(Invention) The creation of something new – a method, idea or product and (innovation) the continuation of that process over time.</b>
Observation*	<b>To witness an event that is not fully understood – Scientific method</b>
Question*	<b>To request general/specific information about an observation – Scientific method</b>
Reasoning*	<b>The act of using what you know – to determine the meaning of what you do not know.</b>
Research*	<b>To study, calculate and/or investigate as a means to form a conclusion.</b>
Science	<b>The process we use to understand the laws of a system.</b> Scientific method: Observation, question, hypothesis, experimentation, data collection, conclusion
Technology*	<b>The application of scientific knowledge for practical purposes, especially in industry.</b>

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