



# INQUIRY 3

## Science 8 Calendar

September 2017

Mrs. Plyter [plyter.com/science](http://plyter.com/science)

Name \_\_\_\_\_

Period \_\_\_\_\_

# 12

**Variables:** Fill in blanks.

- \_\_\_1. Inquiry must include **measurable** data That means the question can be answered using numbers.
- \_\_\_3. Your **DEPENDENT Variable** is the one that you are testing and recording. It is the one that **depends** on what you change in the experiment. Here it is the score in seconds.
- \_\_\_4. The **INDEPENDENT Variable** is the one you change, here it is the digit (thumb or finger) used.
- \_\_\_5. The **CONTROLLED Variables** are kept the same, such as the type of stop watch used, the environment and the setup. This might be noisy or quiet, sitting or standing and focused or not.
- \_\_\_6. We are measuring times for the thumb and the index finger. The digit used is the \_\_\_\_\_ variable.
- \_\_\_7. Our measures are in seconds. Time in seconds is the \_\_\_\_\_ variable.
- \_\_\_8. Everyone is using a Chromebook which is one of the \_\_\_\_\_ variables

# 13

**Time to Think!**

**Problem/Question:**  
Compare the use of the dominant hand to the non-dominant hand for an activity that requires Focus and Speed or "Time to Think"

1. Write your **Hypothesis/Prediction** on the back of this calendar.
2. Use the online app, "Colour Balls2" → **BrainTrain** → ColourBalls 2
3. All testing should be done seated.
4. Record on the back of this calendar and on the Class Chart in **Google Classroom**.
5. Write your **Conclusion** on the back of this calendar.

# 14

**Online Scientific Method**

Science Page → Inquiry & Engineering → Online Scientific Method

+ Handout(s)

Staple to this Calendar.



# 15

Calendars are **DUE** the **Last Day of the Week**. Place your Calendar in your Class Folder before you leave class. **Staple!**

**Optional:**  
**If all is done!**

Try the "Black Boxes" on the Inquiry and Engineering Page.

**Write something down. Have the screen checked.**

**Points:**

**Objective & Variables:**

**Class Inquiry Class Chart**

**Time to Think!**

**Online Scientific Method Staple!**

**Daily Quizzes:**

Practice Tests → QuizLab  
Write Score in COLOR. Initial.

Mon \_\_\_\_\_

Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thur \_\_\_\_\_

Fri \_\_\_\_\_

**Total** \_\_\_\_\_

FROM LAST WEEK:

**Scientific Inquiry: Class Practice:**

**Class Problem/Question:**

When using a stopwatch, is it more accurate to use the thumb or the index finger?

**Procedures:**

- \_\_\_1 This is a Class Inquiry so all follow the same Procedures.
- \_\_\_2. Use the online "How Fast? Stopwatch." → **BrainTrain** → How Fast?
- \_\_\_3. All testing should be done seated with a *Chromebook*.
- \_\_\_4. Record, on the back of this calendar, the total seconds for 10 trials for the person's thumb and then their index finger. Compute Averages.
- \_\_\_5. Carefully record data on the Class Chart in *Google Classroom*.

REPORT PROBLEMS!!

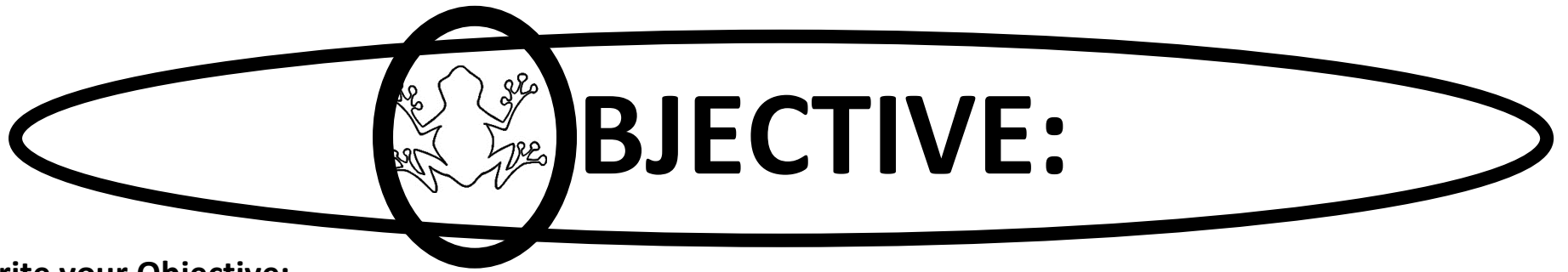
**Central Science Home Page:** [www.plyter.com/science](http://www.plyter.com/science)

Google Page → Google Classroom → Sign in. Class Code: be5upi

Practice Tests → [QuizLab](#) → Classword = plyter18 → Password = Your Student #

Brain Train → How Fast? → Colour Balls2 Inquiry and Engineering → Black Box → Discovery Black Box





# OBJECTIVE:

Write your Objective:

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**Time to Think!** Write your Hypothesis/Prediction:

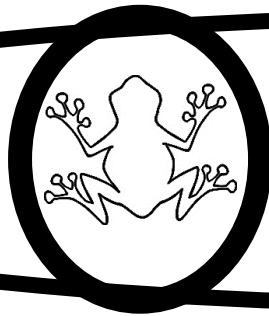
Your Name:

**Your Data:** This is a generic chart. (It is not made just for this inquiry.) Use only what you need.



**Your Conclusion:**

**Your Analysis:** Explain, using data. Include errors.



## **OBJECTIVE:**

I will demonstrate my ability to conduct scientific investigations as I control variables, collect relevant (useable) data and use relevant data for developing conclusions.