Learning Target: I can learn and conduct the science behind my research project.

Homework: n/a

As you enter...

*If you have to take Friday's Quiz, do that now.

1. Form your groups for the acids and bases project. If you do not have a group, talk to Ms. Eng.
2. Once you have your group of 2-3 figured out... check in with Ms. Eng.
3. Come up with a procedure for the experiment portion of your project to conduct today and tomorrow.

Reminder: Fill out Spring Academic Program form to possibly earn higher past/current marking period grades.

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.

Project Timeline for the Week

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<td>3rd: Maybe Computer Lab... Design Billboard 4th: Prepare elevator pitch in class</td>
<td>3rd: Presentation Day!</td>
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Tix out the door (Don't forget your name.)

What does your research team need to do finish your experiment in the next class period? Give a list of details.
Tuesday, March 24th

**Learning Target:** I can compare my data to the research that I find.

**Homework:** n/a

**Hand in/email the draft of your proposal essay by the end of the block. Use rubric to guide you.**

**Resources and Citations**
- Need at least 3 legitimate resources cited in your essay

**Google docs**
- Can use docs.google.com to have more than one person work on the same essay at the same time (Need a Gmail)
- Or have someone type while the others do research and share their findings

Reminder: Tests can be corrected and Quizzes can be retaken.

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**Big Idea:** Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.

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**Typed Proposal 20 pg**
- 3-5 pages, double spaced, Times New Roman, 12 pt font
  - Introduction
    - Purpose and importance of project __/2
  - Body paragraphs:
    - Science behind it...
    - Procedure explained __/5
    - Data and results explained __/10
    - Connection of results to purpose of project __/1
  - Body paragraph: Supporting Science with Research
    - Minimum 2 paragraphs __/5
    - Minimum of 3 reliable resources cited __/5
    - All concepts to the right are thoroughly and accurately included __/50

**Conclusion paragraph**
- Recap the purpose and importance of your paper __/2
- Final statement of why your research is most worthy of being published __/3

**Concepts that must be addressed:**

- **Acids and Bases**
  - Define acids and bases according to acid-base theory
  - Identify the acids and bases used/studied in your project

- **pH Scale**
  - Explain what the pH scale is
  - Explain how the pH scale relates to hydrogen concentration
  - Indicators
    - Purpose of indicators
    - Identify indicator(s) used
    - Explain what the colors observed in lab meant

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**Tix out the door** (Don't forget your name.)

**Hand in/email me the current draft of your proposal to breanna.eng@rcsdk12.org.**

Using your rubric, you should have at least half of it completed by the end of the block.
Learning Target: I can prove and showcase the importance of my research.

Groups will present in a randomly chosen order.

Presenters: 1 min to prove why their research is most important to publicize on a billboard. (30 sec and 10 sec warnings will be given.)

Audience: Give each group a score in your packets and vote for one winner. Be fair and honest. You cannot vote for your own group.

**All projects and completed evaluations are due by the end of the period.**

Have a wonderful and relaxing Spring Break!

You have earned it.