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| **Grade Level** 8 | **Teacher/Room:** Norris/149 **Week of:** August 11, 2014 |
| **Unit Vocabulary:** Observe, classify, conclusion, hypothesis, independent variable, dependent variable, quantitative data, qualitative data, infer, theory |
| **Monday**  8-11-14 |
| CC Standards:  |
|  | STEM | Science |
| Instructional Strategies/ Resources Used:  | Syllabus |  |
| EQ | What are the class procedural expectations?  | What are the class procedural expectations? |
| Activating: |  |  |
| Class Activity: | 1. Welcome/ Introductions
2. Review class rules
3. Read over Syllabus
 | 1. Welcome/ Introductions
2. Review class rules

3) Read over Syllabus |
| Assessment |  |  |
| Homework: | Syllabus Signed and returned | Syllabus Signed and returned |
| Differentiation: |  |  |
|  |  |  |
| **Tuesday**  8-12-14 |
| CC Standards: S8CS9a Investigations, collecting evidence to provide hypothesis, and formulate explainations |
|  | STEM-  | Science |
| Instructional Strategies/ Resources Used:  |  |  |
| EQ | What are the steps of the Scientific Method? | What are the steps of the Scientific Method? |
| Activating: | Using patience <http://www.youtube.com/user/Prudential?v=sT7fbayfNBU> | <http://www.youtube.com/user/Prudential?v=sT7fbayfNBU> |
| Class Activity: | 1. Journal #1 Steps to the Scientific Method- list, explain, and illustrate
2. Add to your journal a personal example of yours using the SM
3. View Video Clip
 | 1. Journal #1 Steps to the Scientific Method- list, explain, and illustrate
2. View Video Clip
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| Homework: | Syllabus Signed and returned | Syllabus Signed and returned |
| Differentiation: | Personal experience |  |
| **Wednesday**  8-13-14 |
| CC Standards: S8CS9a Investigations, collecting evidence to provide hypothesis, and formulate explanations |
|  | STEM | Science |
| Instructional Strategies/ Resources Used:  | Hands-on Lab | Hands-on Lab |
| EQ | What happens to sugar molecules when combined with water? | What happens to sugar molecules when combined with water? |
| Activating: |  |  |

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| Class Activity: | Complete Sugar Water Observation Lab #12. Complete lab report and illustrations | Complete Sugar Water Observation Lab #11. Complete lab report and illustrations
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| Assessment: | Lab Report | Lab Report |
| Homework: | Finish lab report if needed | Finish lab report if needed |
| Differentiation: | Evaluate real world through personal experience | Guided instruction |
| **Thursday**  8-14-14 |
| CC Standards: S8CS6 Students will communicate scientific ideas clearlyS8CS9a Investigations, collecting evidence to provide hypothesis, and formulate explanations |
|  | STEM | Science |
| Instructional Strategies/ Resources Used:  |  |  |
| EQ | What makes a hypothesis valid? | What makes a hypothesis valid? |
| Activating: | Video on sugar and water | Video on sugar and water |
| Class Activity: | 1. Introduce Article review
2. Journal #2- Scientific Tools create an experiment to test your selected hypothesis
3. Unit Vocabulary definitions
 | \*\* Introduce Article Review\*\*Journal #2- Scientific Tools create an experiment to test your selected hypothesis\*\*Unit Vocabulary definitions |
| Assessment: | Journal response | Journal response |
| Homework: | Article Review due Tuesday 8-19 Finish any work not done in class | Article Review due Tuesday 8-19 Finish any work not done in class |
| Differentiation: | Individual Interest based | Whole group example |
| **Friday**  8-15-14 |
| CC Standards: S8CS6 Students will communicate scientific ideas clearlyS8CS9a Investigations, collecting evidence to provide hypothesis, and formulate explanations |
|  | STEM | Science |
| Instructional Strategies/ Resources Used:  | Physical Science Textbook | Physical Science Textbook |
| EQ | How is the reaction between oil and water different than sugar and water? | How is the reaction between oil and water different than sugar and water? |
| Activating: | <https://www.youtube.com/watch?v=Uy0m7jnyv6U> Meet the Elements | <https://www.youtube.com/watch?v=Uy0m7jnyv6U> |
| Class Activity: | 1. Review Vocabulary2. Oil and Water Lab- SB page 243. Complete question | 1. Review Vocabulary2. Oil and Water Lab- SB page 243. Complete question |
| Assessment: | Lab Report | Lab Report |
| Homework: | All unfinished work/ Article Review due Tuesday | All unfinished work/ Article Review due Tuesday |
| Differentiation: |  |  |