



Edmore Public School
706 Main St, Edmore, ND 58330

**Life Science Lesson Plans for
August 29 – September 2, 2022
9:35 - 10:27 AM**

| | Monday (Aug 29) | Tuesday (Aug 30) | Wednesday (Aug 31) | Thursday (Sept 1) | Friday (Sept 2) |
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| Performance Standards | HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy. | HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy. | HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy. | HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy. | HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy. |
| Topic | Laboratory Safety Procedures | Scientific Method – Day 1 | Scientific Method – Day 2 | Scientific Method – Day 3 | Scientific Method – Day 4 |
| Objectives | <ul style="list-style-type: none"> • Explain why someone should study science even if not planning to become scientist • summarize the steps that should be taken if an accident occurs in the lab | <ul style="list-style-type: none"> • Explain how scientific thought can be put into practice • Summarize the process that scientists often use when beginning scientific investigations | <ul style="list-style-type: none"> • Explain how scientific thought can be put into practice • Summarize the process that scientists often use when beginning scientific investigations | <ul style="list-style-type: none"> • Explain how scientific thought can be put into practice • Summarize the process that scientists often use when beginning scientific investigations | <ul style="list-style-type: none"> • Explain how scientific thought can be put into practice • Summarize the process that scientists often use when beginning scientific investigations |
| Bellringer | (3 min) Life Science | (3 min) Scientific method | (3 min) independent variable, dependent variable | (3 min) hypothesis | (3 min) vocabulary quiz |
| Procedure/ Instructional Delivery | <ul style="list-style-type: none"> ○ Why study science? ○ Identifying safe and unsafe lab practices ○ Direct instruction: lab safety expectations and classroom equipment ○ Guided practice: classroom safety review ○ Independent practice: student vision of lab safety ○ Assignment: Student lab safety contract | <ul style="list-style-type: none"> ○ Project introduction ○ Engage: watch F1 car videos at https://www.youtube.com/watch?v=I522EMW89sE ○ Demonstration: Balloon-powered car ○ Explore: Use scientific method in making Balloon-powered car ○ Close: Summarizing activity | <ul style="list-style-type: none"> ○ Explore: Use scientific method in making a Balloon-powered car (construction) ○ Close: Summarizing activity | <ul style="list-style-type: none"> ○ Explore: Use scientific method in making a Balloon-powered car (test, redesign, and retest) ○ Close: Summarizing activity | <ul style="list-style-type: none"> ○ Explore: create a PowerPoint presentation of the activity ○ Reflect: Analyze and Draw Conclusions ○ Close: self-assessment |

| Assessment | Independent practice | Rubric for Balloon-powered car | Rubric for Balloon-powered car | Rubric for Balloon-powered car | Rubric for balloon-powered car |
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| Remarks | | | | | |

Prepared by:

Angelito M. Rivera
Science Teacher