



Edmore Public School
706 Main St, Edmore, ND 58330

**Chemistry Lesson Plans for
March 6 - 10, 2023
1st Hour, 8:40 – 9:32 AM**

| | Monday (March 6) | Tuesday (March 7) | Wednesday (March 8) | Thursday (March 9) | Friday (March 10) |
|--|---|--|--|--|--|
| Performance Standards | HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. | HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. | HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. | HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. | HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. |
| Topic | pH | Calculating pH | Indicators | Titration | Titration |
| Objectives | <ul style="list-style-type: none"> relate pH of the solution to acidity, basicity, hydronium and hydroxide concentration | <ul style="list-style-type: none"> calculate the pH of the solution based on the concentration of hydronium and hydroxide ions | <ul style="list-style-type: none"> classify solutions as acids or bases by using various indicators | <ul style="list-style-type: none"> neutralize acids by a base through titrations | <ul style="list-style-type: none"> neutralize acids by a base through titrations |
| Bellringer | (3 min) Define pH | (3 min) Define pOH | (3 min) Indicators | (3 min) Buffer solutions | (3 min) Buffer solutions |
| Procedure/ Instructional Delivery | <ul style="list-style-type: none"> Finish the pH simulation packet Discussion questions that summarizes the main concepts of the lesson | <ul style="list-style-type: none"> Direct instruction: calculating pH Independent practice: solving problems on pH | <ul style="list-style-type: none"> Introduction to lab Lab proper | <ul style="list-style-type: none"> Introduction to lab Lab preparation | <ul style="list-style-type: none"> Lab proper post lab discussions |
| Assessment | Worksheet | Worksheet | Lab rubric | Lab rubric | Lab rubric |
| Remarks | | | | | |

Prepared by:

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