Edmore Public School
706 Main St, Edmore, ND 58330

Chemistry Lesson Plans for
February 27 – March 3, 2023
1st Hour, 8:40 – 9:32 AM

	Monday (Feb 27)	Tuesday (Feb 28)	Wednesday (March 1)	Thursday (March 2)	Friday (March 3)
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.	
Topic	**Arrhenius Acids and Bases**	**Bronsted and Lowry Acids and Bases**	**Self-ionization of water**	**Self-ionization of water**	
Objectives	• describe the distinctive properties of acids, bases and salts	• describe the distinctive properties of acids, bases and salts	• explain the self-ionization property of water • use Kw in calculations	• describe the distinctive properties of acids, bases and salts	
Bellringer	(3 min) Bronsted and Lowry Acid	(3 min) Bronsted and Lowry Base	(3 min) Amphoteric solution	(3 min) Self-ionization of water	
Procedure/ Instructional Delivery	• TedEd Video: Acids and Bases • Reading: Arrhenius definition of acids and bases • Exit ticket	• Review: Arrhenius Acids and bases • Reading: Bronsted and Lowry definition of acids and bases • direct instruction using powerpoint presentation • exit ticket	• self-ionization of water video presentation • direct instruction: solving for ionization of water • guided practice: solving couple of problems	• independent practice: self-ionization of water	
Assessment	Exit ticket	Lab rubric	worksheet	worksheet	
Remarks				Early Out	No School

Prepared by:

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Science Teacher