WEEK OF November 27-December 1, 2023

COURSE: 8th Grade ADV & GEN Science	TEACHER: Turner	PERIODS: 1, 2, 3, 4, 6

	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	Review Chemical Reaction objectives. Demonstrate organizational skills. Differentiate between pure substances and mixtures. Differentiate between homogeneous and heterogeneous mixtures.	**GEN BR:** Review questions **ADV BR:** Review questions **Students will:** **GEN:** Correct Chemical Reactions Study Guide; review for test tomorrow. **ADV:** Complete Unit 3 NB Test; make a new title page & table of contents for Unit 4; watch video on mixtures; begin Unit 4 Notes.	Chemical Reactions Study Guide Unit 3 NB test TED Ed Video - Macaroni Salad	Finish any unfinished classwork **Advanced: Chemical Reactions Test** **GEN: Study for Test Tuesday**	Participation; NB test	ACOS: 2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties 3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. 5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.
TUES	Demonstrate knowledge of Chemical Reaction objectives. Differentiate between pure substances and mixtures. Differentiate between homogeneous and heterogeneous mixtures. Identify the parts of a solution.. Define saturated, unsaturated, and supersaturated. Differentiate between saturated, unsaturated, and supersaturated solutions. Determine what factors affect solubility.	**GEN BR**: Review questions **ADV BR:** Pure substance vs mixtures questions **Students will:** **GEN:** Complete Chemical Reactions Unit test; make a new title page & table of contents for Mixtures Unit; complete Substances vs Mixtures worksheet. **ADV:** Discuss Unit 4 Notes - Pure substances, mixtures, heterogeneous, & homogeneous-	Chemical Reactions Unit Test Substances vs. Mixtures worksheet E3/A+ Unit 4 Notes Nuts & Bolts demo Classification of Matter	Finish any unfinished classwork **Test/Notebook Test**	Participation; test	ACOS: 2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties 3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. 5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.

		Nuts & Bolts, molecular differences; complete Classification of Matter; complete Substances vs. Mixtures.				
WED	Differentiate between pure substances and mixtures. Differentiate between homogeneous and heterogeneous mixtures. Identify the parts of a solution.. Define saturated, unsaturated, and supersaturated. Differentiate between saturated, unsaturated, and supersaturated solutions. Determine what factors affect solubility.	**GEN BR:** Pure substance vs mixtures questions **ADV BR:** Pure substance vs mixtures questions **Students will:** **GEN:** Watch TED Ed Video - Science of Macaroni Salad; discuss heterogeneous & homogeneous; complete E,C,M Doodle Notes; complete Heterogeneous & Homogeneous Sort as a class; complete Classification of Matter. **ADV:** Complete Checkpoint 4.1; discuss Unit 4 Notes - solute, solvent, universal solvent, solubility, dilute, concentrated, saturated, unsaturated, supersaturated; discuss how concentration is calculated; complete Math Skills - Concentration.	TED Ed Video - Science of Macaroni Salad E,C,M Doodle Notes Heterogeneous & Homogeneous Sort Classification of Matter E3/A+ Checkpoint 4.1 E3/A+ Unit 4 Notes Math Skills - Concentration	Finish any unfinished classwork	Participation; checkpoint	ACOS: 2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties 3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. 5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.
THUR	Identify the parts of a solution.. Differentiate between dilute	**GEN BR:** Heterogeneous vs Homogeneous questions	Mixtures concept map Math Skills -	Finish any unfinished classwork	Participation; lab; checkpoint;	ACOS: 2. Plan and carry out investigations to generate evidence

S	and concentrated solutions. Calculate concentration of a solution. Determine what factors affect solubility. Differentiate methods of mixture separation.	**ADV BR:** Solutions questions **Students will:** **GEN:** Begin Mixtures concept map; discuss solutions - solute, solvent, solubility, dilute, concentrated; discuss how concentration is calculated; complete Math Skills - Concentration. **ADV:** Complete Checkpoint 4.3; complete Tasty Solutions Lab; read Text Tuesday 101 article & answer questions; discuss Unit 4 notes - separation techniques; watch Chromatography video.	Concentration Tasty Solutions Lab Text Tuesday 101 article E3/A+ Checkpoint 4.3 E3/A+ Unit 4 Notes Chromatography video (Paper Chromatography Time Lapse Sharpie Poster Black Marker)			supporting the claim that one pure substance can be distinguished from another based on characteristic properties 3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. 5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.
F R I	Differentiate methods of mixture separation. Discuss properties of solutions, suspensions, & colloids. Differentiated between solutions, suspensions, & colloids. Discuss properties of acids & bases. Differentiate between strength & concentration of acids. Discuss how dilution affects acids & bases.	**GEN BR:** Solutions questions **ADV BR:** Solubility questions **Students will:** **GEN:** Discuss factors that affect solubility; complete Tasty Solutions Lab or Demo; complete Content Practice A - Properties of Solutions. **ADV:** Complete Checkpoint 4.2; discuss Unit 4 notes - suspensions, colloids; watch Brightstorm video -	Tasty Solutions Lab Content Practice A - Properties of Solutions E3/A+ Checkpoint 4.2 E3/A+ Unit 4 Notes Brightstorm video - Colloid-Suspension-Concept	Finish any unfinished classwork	Participation; checkpoint	ACOS: 2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties 3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions. 5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.

		Colloid-Suspension-Concept; discuss Unit 4 notes - acids, bases, pH.				