

Compounds, & Mixtures.

WEEK OF Jan. 18 - 22, 2021

GRAY

| COURSE: 8th Grade ADV & GEN Science | | TEACHER: COBB | | PERIODS: All | | |
|-------------------------------------|--|--|---|--|---|--|
| | OBJECTIVES | ACTIVITIES | MATERIALS | HOMEWORK | ASSESSMENT | STANDARDS |
| MON 1-18 | MLK Day No School | | | | | |
| WED 1-20 | <p>Differentiate between pure substances and mixtures.</p> <p>Differentiate between homogeneous and heterogeneous mixtures.</p> <p>Identify the parts of a solution..</p> <p>Define saturated, unsaturated, and supersaturated.</p> <p>Differentiate between saturated, unsaturated, and supersaturated solutions.</p> <p>Determine what factors affect solubility.</p> <p>Discuss neutralization of acids & bases.</p> <p>Differentiate between strength & concentration of acids.</p> <p>Discuss how dilution affects acids & bases.</p> | <p>Students will:</p> <p>GEN: Watch Crash Course video -Solutions; watch Ted ED video - Science of Macaroni Salad; watch teacher made video on Classification of Matter; complete Elements, Compounds, & Mixtures card sort; complete Content Vocabulary - Properties of Solutions; complete Content Practice A - Substances & Mixtures.</p> <p>ADV: Discuss neutralization of acids & bases; discuss how the strength of an acid or base differs from concentration;</p> | <p>Crash Course Video - Solutions</p> <p>Ted ED Video - Science of Macaroni Salad</p> <p>Teacher made video</p> <p>Elements, Compounds, & Mixtures Card sort</p> <p>Content Vocabulary</p> <p>Content Practice A</p> <p>Crash Course Video - Acid-Base Reactions in Solution</p> <p>Acid Base Balance, Animation video</p> <p>pH HyperDoc</p> | Finish any unfinished classwork | <p>Videos; card sort; Content Vocabulary; Content Practice A; pH HyperDoc</p> | <p>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</p> <p>3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions.</p> |

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| | | watch Crash Course Video - Acid-Base Reactions in Solution; watch Acid Base Balance, Animation video; complete pH HyperDoc activity; begin working on Study Guide for Semester Exam. | Semester Exam Study Guide | | | |
| FR I 1 - 2 2 | Review all units in preparation for Semester Exam | Students will: GEN: Complete Semester Exam Study Guide ADV: Finish Semester Exam Study Guide | Semester Exam Study Guide | Finish Study Guide & Study for Exams | Participation | |

CARDINAL

| COURSE: 8th Grade ADV & GEN Science | | TEACHER: Cobb | | PERIODS: All | | |
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| | OBJECTIVES | ACTIVITIES | MATERIALS | HOMEWORK | ASSESSMENT | STANDARDS |
| T U E S 1 - 1 9 | Demonstrate knowledge of Chemical Reactions & Equations. Calculate the solubility of a substance. Describe how mixtures may be separated. | Students will: GEN: Complete Chemical Reactions Unit Test; complete Chemical Reaction NB Test; make a new title page & table of contents for Mixtures Unit; define Ch. 13 vocabulary; watch TedEd video on mixtures; complete Element, Compounds, & Mixtures sort. ADV: Complete Checkpoint 4.1; complete Solubility Practice problems; complete; complete The pH Scale article; complete Acid Base Card Sort. | Chemical Reactions Test Chemical Reactions NB Test Ted ED video - Science of Macaroni Salad E,C,M Card Sort Checkpoint 4.1 Solubility Practice Problems The pH Scale Article Acid Base Card Sort | Finish any unfinished classwork | Test; NB Test; Checkpoint; Card sorts; article; Solubility Practice Problems | 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. |
| T | Differentiate between pure substances and mixtures. | Students will: | Crash Course | Finish any unfinished | Videos; card sort; Content | 2. Plan and carry out investigations to |

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| <p>H U R</p> <p>1 - 2 1</p> | <p>Differentiate between homogeneous and heterogeneous mixtures.</p> <p>Identify the parts of a solution..</p> <p>Define saturated, unsaturated, and supersaturated.</p> <p>Differentiate between saturated, unsaturated, and supersaturated solutions.</p> <p>Determine what factors affect solubility.</p> <p>Discuss neutralization of acids & bases.</p> <p>Differentiate between strength & concentration of acids.</p> <p>Discuss how dilution affects acids & bases.</p> | <p>GEN: Watch Crash Course video -Solutions; watch Ted ED video - Science of Macaroni Salad; watch teacher made video on Classification of Matter; complete Elements, Compounds, & Mixtures card sort; complete Content Vocabulary - Properties of Solutions; complete Content Practice A - Substances & Mixtures.</p> <p>ADV: Discuss neutralization of acids & bases; discuss how the strength of an acid or base differs from concentration; watch Crash Course Video - Acid-Base Reactions in Solution; watch Acid Base Balance, Animation video; complete pH HyperDoc activity; begin working on Study Guide for Semester Exam.</p> | <p>Video - Solutions</p> <p>Ted ED Video - Science of Macaroni Salad</p> <p>Teacher made video</p> <p>Elements, Compounds, & Mixtures Card sort</p> <p>Content Vocabulary</p> <p>Content Practice A</p> <p>Crash Course Video - Acid-Base Reactions in Solution</p> <p>Acid Base Balance, Animation video</p> <p>pH HyperDoc</p> <p>Semester Exam Study Guide</p> | <p>classwork</p> | <p>Vocabulary; Content Practice A; pH HyperDoc</p> | <p>generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties</p> <p>3. Construct explanations based on evidence from investigations to differentiate among compounds, mixtures, and solutions.</p> |
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WEEK OF Jan. 25 - 29, 2021

GRAY

| COURSE: 8th Grade ADV & GEN Science | | TEACHER: COBB | | PERIODS: ALL | | |
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| | OBJECTIVES | ACTIVITIES | MATERIALS | HOMEWORK | ASSESSMENT | STANDARDS |
| MON 1-5 | Review for Semester Exam | Students will: GEN & ADV: Review Study Guides & play review game. Students will report to all 6 periods. | Semester Exam Study Guide Review Game | STUDY FOR EXAMS | Participation | ACOS Standards 1, 2, 3, 4, 5 |
| WED 1-7 | Demonstrate knowledge of chemistry units. | Students will: Complete 3rd period & 4th period Semester Exams; number pages in new NB. Students will report to 5th & 6th period after exams for review. | Semester Exam | STUDY FOR EXAMS | Semester Exam | ACOS Standards 1, 2, 3, 4, 5 |
| FRI 1-9 | Finish any make-exams. | Students will: Complete any make-up exams if needed. | Semester Exam | | | ACOS Standards 1, 2, 3, 4, 5 |

CARDINAL

| COURSE: 8th Grade ADV & GEN Science | | TEACHER: Stacie Pruitt | | PERIODS: 2, 4, 6 | | |
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| | OBJECTIVES | ACTIVITIES | MATERIALS | HOMEWORK | ASSESSMENT | STANDARDS |
| TUES 1 | Demonstrate knowledge of chemistry units. | Students will: Complete 1st period & 2nd period Semester Exams; number pages in new NB. | Semester Exam | STUDY FOR EXAMS | Semester Exam | ACOS Standards 1, 2, 3, 4, 5 |

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| - 2 6 | | Students will report to 3rd & 4th period after exams for review. | | | | |
| T H U R 1 - 2 8 | Demonstrate knowledge of chemistry units. | <p>Students will:</p> <p>Complete 5th period & 6th period Semester Exams; number pages in new NB.</p> <p>Students will report to 1st & 2nd period after exams and will continue to set up NB.</p> | Semester Exam | STUDY FOR EXAMS | Semester Exam | ACOS Standards 1, 2, 3, 4, 5 |