

Essential Standards: Week March 30 (*Standards Reviewed in Packet 1*)

Reading	<ul style="list-style-type: none"> Use knowledge of synonyms (understand and generate synonyms)
Writing	<ul style="list-style-type: none"> Engage in writing as a process (identify topic, use organizational strategies to structure writing, add specific details to further elaboration)
Mathematics	<ul style="list-style-type: none"> 6.1 Ratios - The student will: <ol style="list-style-type: none"> represent relationships between quantities using ratios, and will use appropriate notations, such as a/b, a to b, and $a:b$ 6.2 Understanding Rational Numbers - The student will: <ol style="list-style-type: none"> represent and determine equivalencies among fractions, mixed numbers, decimals, and percents compare and order positive rational numbers

Essential Standards: Week April 13-17 (*Standards Reviewed in Packet 2*)

Reading	<ul style="list-style-type: none"> 6.5 The student will read and demonstrate comprehension of a variety of fictional texts, literary nonfiction, and poetry. <ol style="list-style-type: none"> Draw conclusions and make inferences using the text for support Use reading strategies to monitor comprehension throughout the reading process 6.6 The student will read and demonstrate comprehension of a variety of nonfiction texts. <ol style="list-style-type: none"> Draw conclusions and make inferences based on explicit and implied information Use reading strategies to monitor comprehension throughout the reading process
Writing	<ul style="list-style-type: none"> 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective writing. <ol style="list-style-type: none"> Engage in writing as a recursive process Choose an audience and purpose Use a variety of strategies to generate and organize ideas. Organize writing to fit mode or topic
Mathematics	<ul style="list-style-type: none"> 6.2 Understanding Rational Numbers - The student will: <ol style="list-style-type: none"> represent and determine equivalencies among fractions, mixed numbers, decimals, and percents compare and order positive rational numbers 6.5 Solve Practical Problems Involving Fractions/Decimals - The student will: <ol style="list-style-type: none"> multiply and divide fractions and mixed numbers solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of fractions and mixed numbers solve multistep practical problems involving addition, subtraction, multiplication, and division of decimals 6.6 Solve Problems Involving Integers - The student will: <ol style="list-style-type: none"> add, subtract, multiply, and divide integers solve practical problems involving operations with integers simplify numerical expressions involving integers
Adv. Mathematics	<ul style="list-style-type: none"> G7.8 Probability - The student will: <ol style="list-style-type: none"> determine the theoretical and experimental probabilities of an event investigate and describe the difference between the experimental probability and theoretical probability of an event <ul style="list-style-type: none"> Determine likely/unlikely events Find Theoretical Do an experiment Compare Theoretical/Experimental Experiment/Law of Large Numbers

Science

- 6.1 d) Construct scientific explanations based on valid and reliable evidence obtained from sources (including the students' own investigations)
- 6.1 f) Obtaining, evaluating, and communicating information

Social Studies

- Essential Skill: USI.1b
Using geographic skills - analyzing the impact of geographic features on people, places, and events to support an understanding of events in United States history; Develop map skills

Essential Standards: Week April 20-24 (Standards Aligned to Packet 3)

Reading

- 6.4 The student will read and determine the meanings of unfamiliar words and phrases within authentic texts
 - c) Use context and sentence structure to determine meanings and differentiate meanings of unfamiliar words and phrases
 - d) Identify and analyze the author's use of figurative language

Writing

- 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective.
 - a) Engage in writing as a recursive process
 - j) Select vocabulary and information to enhance the central idea, tone, and voice

Mathematics

- 6.12 Proportional Relationships - The student will:
 - a) represent a proportional relationship between two quantities, including those arising from practical situations
 - b) determine the unit rate of a proportional relationship and use it to find a missing value in a ratio table
 - d) make connections between and among representations of a proportional relationship between two quantities using verbal descriptions, ratio tables, and graphs

Adv. Mathematics

- G7.8 Probability - The student will:
 - a) determine the theoretical and experimental probabilities of an event
 - b) investigate and describe the difference between the experimental probability and theoretical probability of an event
 - Determine likely/unlikely events
 - Find Theoretical
 - Do an experiment
 - Compare Theoretical/Experimental
 - Experiment/Law of Large Numbers
 - Design and conduct experiments at home

Science

- 6.1 b) The student will demonstrate an understanding of scientific and engineering practices by planning and carrying out investigations
- 6.6 d) model the action of freezing water on rocks; and chart, record, and describe evidence of physical weathering in the local environment

Social Studies

- Essential Skill: USI.1d
Demonstrating critical thinking - using evidence to draw conclusions and make generalizations
- Essential Standard: US1.8.c
Explaining the impact of westward expansion on American Indians

Essential Standards: Week April 27 – May 1 (Standards Aligned to Packet 4)

Reading	<ul style="list-style-type: none"> 6.4 The student will read and determine the meanings of unfamiliar words and phrases within authentic texts. c) Use context and sentence structure to determine meanings and differentiate meanings of unfamiliar words and phrases d) Identify and analyze the author’s use of figurative language
Writing	<ul style="list-style-type: none"> 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective. a) Engage in writing as a recursive process j) Select vocabulary and information to enhance the central idea, tone, and voice
Mathematics	<ul style="list-style-type: none"> 6.12 Proportional Relationships - The student will: <ul style="list-style-type: none"> a) represent a proportional relationship between two quantities, including those arising from practical situations b) determine the unit rate of a proportional relationship and use it to find a missing value in a ratio table c) determine whether a proportional relationship exists between two quantities d) make connections between and among representations of a proportional relationship between two quantities using verbal descriptions, ratio tables, and graphs
Adv. Mathematics	<ul style="list-style-type: none"> G7.9 Histograms - The student will: <ul style="list-style-type: none"> a) represent data in a histogram b) make observations and inferences about data represented in a histogram
Science	<ul style="list-style-type: none"> 6.1 b) The student will demonstrate an understanding of scientific and engineering practices by planning and carrying out investigations 6.6 d) Plan and conduct an investigation to determine the action of acidified water on building materials such as concrete, limestone, or marble; and chart, record, and describe evidence of chemical weathering in the local environment
Social Studies	<ul style="list-style-type: none"> Essential Skill: USI.1e Compare and contrast - comparing and contrasting historical, cultural, and political perspectives in United States history Essential Standard: US1.8.a Describing the territorial expansion of the United States and its impact on the diverse people living in the United States

Essential Standards: Week May 4-8 (*Standards Aligned to Packet 5*)

Reading	<ul style="list-style-type: none"> 6.3 The student will determine the purpose of media messages and examine how they are constructed. <ol style="list-style-type: none"> Compare and contrast techniques used in a variety of media messages Identify the characteristics and effectiveness of a variety of media messages Interpret information presented in diverse media formats and explain how it contributes to the topic. 6.6 The student will read and demonstrate comprehension of a variety of nonfiction texts. <ol style="list-style-type: none"> Skim materials using text features such as type, headings, and graphics to predict and categorize information Draw conclusions and make inferences based on explicit and implied information Identify the author's organizational pattern(s) Identify transitional words and phrases that signal an author's organizational pattern Differentiate between fact and opinion Analyze ideas within and between selections providing textual evidence.
Writing	<ul style="list-style-type: none"> 6.2. The student will create multimodal presentations that effectively communicate ideas. <ol style="list-style-type: none"> Use effective verbal and nonverbal communication skills to deliver multimodal presentations Use language and vocabulary appropriate to audience, topic, and purpose Give collaborative and individual formal and informal interactive presentations 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective. <ol style="list-style-type: none"> Engage in writing as a recursive process Choose an audience and purpose Organize writing to fit mode or topic Establish a central idea incorporating evidence and maintain an organized structure Compose a thesis statement for expository and persuasive writing Write multi-paragraph compositions with elaboration and unity Select vocabulary and information to enhance the central idea, tone, and voice
Mathematics	<ul style="list-style-type: none"> 6.7 Solve Circumference/Area/Perimeter Problems - The student will: <ol style="list-style-type: none"> derive π (pi) solve problems, including practical problems, involving circumference and area of a circle solve problems, including practical problems, involving area & perimeter of triangles & rectangles
Adv. Mathematics	<ul style="list-style-type: none"> G7.9 Histograms - The student will: <ol style="list-style-type: none"> represent data in a histogram make observations and inferences about data represented in a histogram compare histograms with the same data represented in stem-and-leaf plots, line plots, and circle graphs
Science	<ul style="list-style-type: none"> 6.1 b) The student will demonstrate an understanding of scientific and engineering practices by planning and carrying out investigations 6.6 b) Plan an investigation to demonstrate specific properties of water (cohesion, adhesion, surface tension)
Social Studies	<ul style="list-style-type: none"> Essential Skill: USI.1f - Determine cause and effect - determining relationships with multiple causes or effects in United States history Essential Standard: US1.8.d Describing the impact of inventions, including the cotton gin, the reaper, the steamboat, and the steam locomotive, on the lives of diverse people living in the United States

Essential Standards: Week May 11-15 (Standards Aligned to Packet 6)

Reading	<ul style="list-style-type: none"> • 6.3 The student will determine the purpose of media messages and examine how they are constructed. <ul style="list-style-type: none"> a) Compare and contrast techniques used in a variety of media messages b) Identify the characteristics and effectiveness of a variety of media messages c) Interpret information presented in diverse media formats and explain how it contributes to the topic • 6.6 The student will read and demonstrate comprehension of a variety of nonfiction texts. <ul style="list-style-type: none"> a) Skim materials using text features such as type, headings, and graphics to predict and categorize information e) Draw conclusions and make inferences based on explicit and implied information f) Identify the author's organizational pattern(s) g) Identify transitional words and phrases that signal an author's organizational pattern h) Differentiate between fact and opinion j) Analyze ideas within and between selections providing textual evidence
Writing	<ul style="list-style-type: none"> • 6.2. The student will create multimodal presentations that effectively communicate ideas. <ul style="list-style-type: none"> a) Use effective verbal and nonverbal communication skills to deliver multimodal presentations b) Use language and vocabulary appropriate to audience, topic, and purpose c) Give collaborative and individual formal and informal interactive presentations • 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective. <ul style="list-style-type: none"> a) Engage in writing as a recursive process b) Choose an audience and purpose d) Organize writing to fit mode or topic f) Establish a central idea incorporating evidence and maintain an organized structure g) Compose a thesis statement for expository and persuasive writing h) Write multi-paragraph compositions with elaboration and unity j) Select vocabulary and information to enhance the central idea, tone, and voice
Mathematics	<ul style="list-style-type: none"> • 6.7 Solve Circumference/Area/Perimeter Problems - The student will: <ul style="list-style-type: none"> a) derive π (π) b) solve problems, including practical problems, involving circumference and area of a circle c) solve problems, including practical problems, involving area and perimeter of triangles rectangles • 6.2 Understand Rational Numbers - The student will: <ul style="list-style-type: none"> a) represent and determine equivalencies among fractions, mixed numbers, decimals, and percents
Adv. Mathematics	<ul style="list-style-type: none"> • G7.4 Volume and Surface Area - The student will: <ul style="list-style-type: none"> a) describe and determine the volume and surface area of rectangular prisms and cylinders b) solve problems, including practical problems, involving the volume and surface area of rectangular prisms and cylinders
Science	<ul style="list-style-type: none"> • 6.1 f) The student will demonstrate an understanding of scientific and engineering practices by obtaining, evaluating, and communicating information • 6.9 f) Analyze reports, media articles, and other narrative materials related to waste management and resource use to determine various perspectives concerning the costs and benefits in real-life situations

Social Studies

- Essential Skill: USI.1c
Organizing information - using and creating graphs, diagrams, and pictures to determine characteristics of people, places, or events to support understanding of United States history
- Essential Standard: US1.8.e
Explaining the main ideas of the abolitionist and women's suffrage movements

Essential Standards: Week May 18-22 (*Standards Aligned to Packet 7*)

Reading	<ul style="list-style-type: none"> • 6.3 The student will determine the purpose of media messages and examine how they are constructed. <ul style="list-style-type: none"> a) Compare and contrast techniques used in a variety of media messages b) Identify the characteristics and effectiveness of a variety of media messages c) Interpret information presented in diverse media formats and explain how it contributes to the topic • 6.6 The student will read and demonstrate comprehension of a variety of nonfiction texts <ul style="list-style-type: none"> a) Skim materials using text features such as type, headings, and graphics to predict and categorize information e) Draw conclusions and make inferences based on explicit and implied information f) Identify the author's organizational pattern(s) g) Identify transitional words and phrases that signal an author's organizational pattern h) Differentiate between fact and opinion j) Analyze ideas within and between selections providing textual evidence
Writing	<ul style="list-style-type: none"> • 6.2. The student will create multimodal presentations that effectively communicate ideas. <ul style="list-style-type: none"> a) Use effective verbal and nonverbal communication skills to deliver multimodal presentations b) Use language and vocabulary appropriate to audience, topic, and purpose c) Give collaborative and individual formal and informal interactive presentations • 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, and reflective with an emphasis on narrative and reflective. <ul style="list-style-type: none"> a) Engage in writing as a recursive process b) Choose an audience and purpose d) Organize writing to fit mode or topic f) Establish a central idea incorporating evidence and maintain an organized structure g) Compose a thesis statement for expository and persuasive writing h) Write multi-paragraph compositions with elaboration and unity j) Select vocabulary and information to enhance the central idea, tone, and voice l) Revise writing for clarity of content including specific vocabulary and information
Mathematics	<ul style="list-style-type: none"> • 6.2 Understand Rational Numbers - The student will: <ul style="list-style-type: none"> a) represent and determine equivalencies among fractions, mixed numbers, decimals, and percents • 6.10 Circle Graphs - The student, given a practical situation, will: <ul style="list-style-type: none"> a) represent data in a circle graph b) make observations and inferences about data represented in a circle graph
Adv. Mathematics	<ul style="list-style-type: none"> • G7.4 Volume and Surface Area - The student will: <ul style="list-style-type: none"> a) describe and determine the volume and surface area of rectangular prisms and cylinders b) solve problems, including practical problems, involving the volume and surface area of rectangular prisms and cylinders
Science	<ul style="list-style-type: none"> • 6.1 c) The student will demonstrate an understanding of scientific and engineering practices by interpreting, analyzing, and evaluating data • 6.9 b) Analyze how renewable and nonrenewable resources are used and managed within the home, school, and community • 6.9 f) Analyze resource-use options in everyday activities and determine how personal choices have costs and benefits related to the generation of waste
Social Studies	<ul style="list-style-type: none"> • Essential Skill: USI.1j Demonstrate comprehension - investigating and researching to develop a student-produced product orally and in writing • Essential Standard: US1.9.a Describing the cultural, economic, and constitutional issues that divided the nation

Essential Standards: Week May 26-29 (Standards Aligned to Packet 8)

Reading	<ul style="list-style-type: none"> 6.5 The student will read and demonstrate comprehension of a variety of fictional texts, literary nonfiction, and poetry. <ol style="list-style-type: none"> Identify the elements of narrative structure, including setting, character, plot, conflict, and theme Describe cause and effect relationships and their impact on plot Explain how an author uses character development to drive conflict and resolution Draw conclusions and make inferences using the text for support Use reading strategies to monitor comprehension throughout the reading process
Writing	<ul style="list-style-type: none"> 6.1 The student will use effective oral communication skills in a variety of settings. <ol style="list-style-type: none"> Work respectfully with others and show value for individual contributions 6.7 The student will write in a variety of forms to include narrative, expository, persuasive <ol style="list-style-type: none"> Organize writing to fit mode or topic Establish a central idea incorporating evidence and maintaining an organized structure 6.8 The student will self- and peer-edit writing for capitalization, punctuation, spelling, sentence structure, paragraphing, and Standard English <ol style="list-style-type: none"> Use correct spelling for frequently used words
Mathematics	<ul style="list-style-type: none"> 6.10 Circle Graphs - The student, given a practical situation, will: <ol style="list-style-type: none"> represent data in a circle graph make observations and inferences about data represented in a circle graph
Adv. Mathematics	<ul style="list-style-type: none"> G7.12 Solve Practical Problems Involving Linear Equations - The student will: <ol style="list-style-type: none"> solve two-step linear equations in one variable, including practical problems that require the solution of a two-step linear equation in one variable
Science	<ul style="list-style-type: none"> 6.1 b) The student will demonstrate an understanding of scientific and engineering practices by planning and carrying out investigations 6.4 d) Investigate how light energy (radiant energy) can be transformed into other forms of energy (e.g., mechanical, chemical, and electrical)
Social Studies	<ul style="list-style-type: none"> Essential Skill: USI.1g Make connections - explaining connections across time and place Essential Standard: US1.9.b Explaining how the issue of slavery increased sectional tensions

Essential Standards: Week June 1-5 (*Standards Aligned to Packet 9*)

Reading	<ul style="list-style-type: none"> 6.5 The student will read and demonstrate comprehension of a variety of fictional texts, literary nonfiction, and poetry. <ol style="list-style-type: none"> Identify the elements of narrative structure, including setting, character, plot, conflict, and theme Describe cause and effect relationships and their impact on plot Explain how an author uses character development to drive conflict and resolution Draw conclusions and make inferences using the text for support Use reading strategies to monitor comprehension throughout the reading process
Writing	<ul style="list-style-type: none"> 6.1 The student will use effective oral communication skills in a variety of settings. <ol style="list-style-type: none"> Work respectfully with others and show value for individual contributions 6.7 The student will write in a variety of forms to include narrative, expository, persuasive, <ol style="list-style-type: none"> Organize writing to fit mode or topic Establish a central idea incorporating evidence and maintaining an organized structure 6.8 The student will self- and peer-edit writing for capitalization, punctuation, spelling, sentence structure, paragraphing, and Standard English. <ol style="list-style-type: none"> Use correct spelling for frequently used words
Mathematics	<ul style="list-style-type: none"> 6.10 Circle Graphs - The student, given a practical situation, will: <ol style="list-style-type: none"> compare circle graphs with the same data represented in bar graphs, pictographs, and line plots
Adv. Mathematics	<ul style="list-style-type: none"> G7.10 Linear Relationships - The student will: <ol style="list-style-type: none"> determine the slope, m, as rate of change in a proportional relationship between two quantities and write an equation in the form $y = mx$ to represent the relationship graph a line representing a proportional relationship between two quantities given the slope and an ordered pair, or given the equation in $y = mx$ form where m represents the slope as rate of change determine the y-intercept, b, in an additive relationship between two quantities and write an equation in the form $y = x + b$ to represent the relationship graph a line representing an additive relationship between two quantities given the y intercept and an ordered pair, or given the equation in the form $y = x + b$, where b represents the y-intercept make connections between and among representations of a proportional or additive relationship between two quantities using verbal descriptions, tables, equations, and graphs
Science	<ul style="list-style-type: none"> 6.1 f) The student will demonstrate an understanding of scientific and engineering practices by developing and using models 6.4 d) Create and interpret a model or diagram of an energy transformation
Social Studies	<ul style="list-style-type: none"> Essential Skill: USI.1h Make economic decisions - using a decision-making model to identify costs and benefits of a specific choice made Essential Standard: USI.9.f Describing the effects of the Civil War from the perspectives of the diverse people living in the United States

Essential Standards: Week June 8-12 (Standards Aligned to Packet 10)

Reading	<ul style="list-style-type: none"> 6.5 The student will read and demonstrate comprehension of a variety of fictional texts, literary nonfiction, and poetry. <ol style="list-style-type: none"> Identify the elements of narrative structure, including setting, character, plot, conflict, and theme. Describe cause and effect relationships and their impact on plot. Explain how an author uses character development to drive conflict and resolution. Draw conclusions and make inferences using the text for support. Use reading strategies to monitor comprehension throughout the reading process.
Writing	<ul style="list-style-type: none"> 6.1 The student will use effective oral communication skills in a variety of settings. <ol style="list-style-type: none"> Work respectfully with others and show value for individual contributions 6.7 The student will write in a variety of forms to include narrative, expository, persuasive. <ol style="list-style-type: none"> Organize writing to fit mode or topic Establish a central idea incorporating evidence and maintaining an organized structure 6.8 The student will self- and peer-edit writing for capitalization, punctuation, spelling, sentence structure, paragraphing, and Standard English. <ol style="list-style-type: none"> Use correct spelling for frequently used words
Mathematics	<ul style="list-style-type: none"> 6.11 Measures of Center - The student will: <ol style="list-style-type: none"> represent the mean of a data set graphically as the balance point determine the effect on measures of center when a single value of a data set is added, removed, or changed
Adv. Mathematics	<ul style="list-style-type: none"> G7.10 Linear Relationships - The student will: <ol style="list-style-type: none"> determine the slope, m, as rate of change in a proportional relationship between two quantities and write an equation in the form $y = mx$ to represent the relationship graph a line representing a proportional relationship between two quantities given the slope and an ordered pair, or given the equation in $y = mx$ form where m represents the slope as rate of change determine the y-intercept, b, in an additive relationship between two quantities and write an equation in the form $y = x + b$ to represent the relationship graph a line representing an additive relationship between two quantities given the y intercept and an ordered pair, or given the equation in the form $y = x + b$, where b represents the y-intercept make connections between and among representations of a proportional or additive relationship between two quantities using verbal descriptions, tables, equations, and graphs
Science	<ul style="list-style-type: none"> 6.1 f) The student will demonstrate an understanding of scientific and engineering practices by obtaining, evaluating, and communicating information 6.9 a) Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources affect Earth's systems (e.g., climate, oceans, rainforest)
Social Studies	<ul style="list-style-type: none"> Essential Skill: 3.1i Exercise civic responsibility - practicing good citizenship skills and demonstrating respect for rules and laws while collaborating, compromising, and participating in classroom activities Essential Standard: USI.9d Describe the critical developments in the war, including the location of major battles