8th Grade

Parents, these are the standards taught by Beyond Textbooks partner schools. This list is in alphanumeric order, and your school will likely teach them in a different order. For help deciphering the code in front of the standard, please click here.

- Math
- Reading
- Science
- Social Studies
- Writing
- Useful Web Links

Eighth Grade Math Standards

Quarter 1 Standards:

1. **8.M.EE.A.01**: The Highly Proficient student can utilize properties of exponents to order and/or evaluate multiple expressions with exponents.

2. **8.M.EE.A.02**: The Highly Proficient student can explain how square roots and cube roots relate to each other and to their radicands.

3. **8.M.EE.A.04**: The Highly Proficient student can calculate and interpret values written in scientific notation within a context.

4. **8.M.G.B.07-08**: The Highly Proficient student can recognize situations and apply the Pythagorean Theorem in multi-step problems. The Highly Proficient student can find the coordinates of a point which is a given distance from another point in any direction, including diagonals.

5. **8.M.NS.A.01**: The Highly Proficient student can know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion. Know that numbers whose decimal expansions do not terminate in zeros or in a repeating sequence of fixed digits are called irrational.

6. **8.M.NS.A.02**: The Highly Proficient student can explain how to get more precise approximations of square roots,
and notices and explains the patterns that exist when writing rational numbers.

7. 8.M.NS.A.03: The Highly Proficient student can understand that given any two distinct rational numbers, a < b, there exist a rational number c and an irrational number d such that a < c < b and a < d < b. Given any two distinct irrational numbers, a < b, there exist a rational number c and an irrational number d such that a < c < b and a < d < b.

8. 8.M.SP.B.05: The Highly Proficient student can compare different simulations to see which best predicts the probability.

Quarter 2 Standards:

1. 8.M.EE.B.05: The Highly Proficient student can generate a representation of a proportional relationship with specific qualities.

2. 8.M.EE.B.06: The Highly Proficient student can use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane. Derive the equation y = mx for a line through the origin and the equation y = mx + b for a line intercepting the vertical axis at (0, b).

3. 8.M.EE.C.07: The Highly Proficient student can justify why a multi-step equation has one solution, infinitely many solutions, or no solution.

4. 8.M.F.A.01: The Highly Proficient student can understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. (Function notation is not required in Grade 8.)

5. 8.M.F.A.02: The Highly Proficient student can justify whether two functions represented in different ways are equivalent or not by comparing their properties.

6. 8.M.F.A.03: The Highly Proficient student can explain why the function is linear or nonlinear.

7. 8.M.F.B.04: The Highly Proficient student can identify what prevents a set of values in either a table or graph from being linear and adjusts the values to make them linear.

8. 8.M.SP.A.02: The Highly Proficient student can know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.

Quarter 3 Standards:

1. 8.M.EE.A.03: The Highly Proficient student can use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and express how many times larger or smaller one is than the other.
2. **8.M.EE.C.08**: The Highly Proficient student can solve real-world and mathematical problems, using two equations with two variables.

3. **8.M.F.B.05**: The Highly Proficient student can interpret qualitative features of a function in a context.

4. **8.M.G.B.06**: The Highly Proficient student can understand the Pythagorean Theorem and its converse.

5. **8.M.G.C.09**: The Highly Proficient student can describe the relationship between the formulas for volumes of cones, cylinders, or spheres and explain how to find the formulas for cones, cylinders, and spheres.

6. **8.M.SP.A.01**: The Highly Proficient student can create and interpret scatter plots and find associations between two quantities.

7. **8.M.SP.A.03**: The Highly Proficient student can create and use a linear model to interpret the slope and y-intercept.

8. **8.M.SP.A.04**: The Highly Proficient student can interpret and compare relative frequencies to identify patterns of association.

**Quarter 4 Standards:**

1. **8.M.G.A.01**: The Highly Proficient student can verify experimentally the properties of rotations, reflections, and translations. Properties include: lines are taken to lines, line segments are taken to line segments of the same length, angles are taken to angles of the same measure, parallel lines are taken to parallel lines.

2. **8.M.G.A.02**: The Highly Proficient student can understand that a two-dimensional figure is congruent to another if one can be obtained from the other by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that demonstrates congruence.

3. **8.M.G.A.03-04**: The Highly Proficient student can recognize and explain the properties of transformations in real-world scenarios, including whether the transformations lead to similar or congruent figures.

4. **8.M.G.A.05**: The Highly Proficient student can give an informal argument that a triangle can only have one 90 degree angle and for the pairs of angles that are supplementary when parallel lines are cut by a transversal.

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**Eighth Grade Reading Standards**

**Quarter 1 Standards:**

1. **8.R.RI.01**: The Highly Proficient can apply thorough textual evidence to support a deep analysis of the text and complex inferences drawn from the text.
2. **8.R.RI.02**: The Highly Proficient student can determine and analyze central ideas of a text and analyzes their development over the course of a text; evaluates the strength of the supporting ideas; provides a comprehensive objective summary of the text.

3. **8.R.RI.03**: The Highly Proficient student can evaluate how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).

4. **8.R.RI.05**: The Highly Proficient student can evaluate the effect of the structure of a specific paragraph in a text and its role in the text as a whole, including the role of particular sentences in developing and refining a key concept.

5. **8.R.RL.07**: The Highly Proficient student can analyze the extent to which a filmed or live production of a story or drama stays faithful to or departs from the text or script, evaluating the choices made by the director or actors.

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**Quarter 2 Standards:**

1. **8.R.RL.01**: The Highly Proficient student can apply strong textual evidence to support their analysis as well as complex inferences drawn from the text.

2. **8.R.RL.02**: The Highly Proficient student can determine two or more themes of a story, evaluate how they are developed and provide a comprehensive summary of the text.

3. **8.R.RL.03**: The Highly Proficient student can analyze and evaluate the effectiveness that dialogue and incidents in a story have on the plot, characters, and decisions made by the characters.

4. **8.R.RL.04**: The Highly Proficient student can determine the meaning and evaluate the impact of words and phrases, including figurative language and connotative meanings. The Highly Proficient student can analyze and evaluate the impact of specific word choice on meaning and tone, including analogies or allusions to other texts.

5. **8.R.RL.05**: The Highly Proficient student can compare and contrast the structure of two or more texts and evaluate how the differing structures contribute to style and meaning.

6. **8.R.RL.06**: The Highly Proficient student can evaluate the impact of differences in the points of view of the characters or the reader and the effectiveness of creating suspense or humor in the text.

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**Quarter 3 Standards:**

1. **8.R.RI.01**: The Highly Proficient can apply thorough textual evidence to support a deep analysis of the text and complex inferences drawn from the text.

2. **8.R.RI.04**: The Highly Proficient student can analyze the meaning of words and phrases as they are used in the text, including figurative, connotative, and technical meanings. The Highly Proficient student can evaluate the rhetorical effect of specific word choices on meaning and tone, including analogies or allusions to other text.
3. **8.R.RI.06:** The Highly Proficient student can analyze an author’s point of view, perspective, and purpose in a text and evaluates the effect of how the author responds to conflicting evidence or viewpoints.

4. **8.R.RI.08:** The Highly Proficient student can synthesize the argument and specific claims in a text, citing specific evidence to evaluate whether the reasoning is sound and the evidence is relevant and sufficient, recognizes irrelevant evidence and proves its irrelevancy.

5. **8.R.RI.09:** The Highly Proficient student can analyze and evaluate how two or more texts provide conflicting information on the same topic and identify where and how the texts disagree.

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**Quarter 4 Standards:**

1. **8.R.RI.07:** The Highly Proficient student can evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.

2. **8.R.RL.01:** The Highly Proficient student can apply strong textual evidence to support their analysis as well as complex inferences drawn from the text.

3. **8.R.RL.09:** The Highly Proficient student can analyze how a modern work of fiction draws on themes, patterns of events, or character types from myths, traditional stories or religious works, including describing how the material is rendered new.

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**Yearly Standards (taught throughout the school year):**

1. **8.R.RI.10:** The Highly Proficient student proficiently and independently read and comprehend informational texts and nonfiction in a text appropriate to grade 8.

2. **8.R.RL.10:** The Highly Proficient student can read and understand a variety of literary selections appropriate to grade 8.

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**Eighth Grade Science Standards**

**Quarter 1 Standards:**

1. **8.P1U1.1** - I can develop and use a model to demonstrate that atoms and molecules can be combined or rearranged in chemical reactions to form new compounds with the total number of each type of atom conserved.

2. **8.P1U1.2** - I can obtain and evaluate information regarding how scientists identify substances based on unique physical and chemical properties.

3. **8.P4U1.3** - I can construct an explanation on how energy can be transferred from one energy store to another.
4. 8.P4U1.4 - I can develop and use mathematical models to explain wave characteristics and interactions.

5. 8.P4U2.5 - I can develop a solution to increase efficiency when transferring energy from one source to another.

Quarter 2 Standards:

1. 8.E1U1.6 - I can analyze and interpret data about the Earth’s geological column to communicate relative ages of rock layers and fossils.

2. 8.E1U3.7 - I can obtain, evaluate, and communicate information about data and historical patterns to predict natural hazards and other geological events.

3. 8.E1U3.8 - I can construct and support an argument about how human consumption of limited resources impacts the biosphere.

4. 8.P4U1.3 - I can construct an explanation on how energy can be transferred from one energy store to another.

5. 8.P4U1.4 - I can develop and use mathematical models to explain wave characteristics and interactions.

6. 8.P4U2.5 - I can develop a solution to increase efficiency when transferring energy from one source to another.

Quarter 3 Standards:

1. 8.E1U1.6 - I can analyze and interpret data about the Earth’s geological column to communicate relative ages of rock layers and fossils.

2. 8.E1U3.7 - I can obtain, evaluate, and communicate information about data and historical patterns to predict natural hazards and other geological events.

3. 8.E1U3.8 - I can construct and support an argument about how human consumption of limited resources impacts the biosphere.

4. 8.L3U1.9 - I can construct an explanation of how genetic variations occur in offspring through the inheritance of traits or through mutations.

5. 8.L3U3.10 - I can communicate how advancements in technology have furthered the field of genetic research and use evidence to support an argument about the positive and negative effects of genetic research on human lives.

6. 8.L4U1.11 - I can develop and use a model to explain how natural selection may lead to increases and decreases of specific traits in populations over time.

7. 8.L4U1.12 - I can gather and communicate evidence on how the process of natural selection provides an explanation of how new species can evolve.
Quarter 4 Standards:

1. 8.L3U1.9 - I can construct an explanation of how genetic variations occur in offspring through the inheritance of traits or through mutations.

2. 8.L3U3.10 - I can communicate how advancements in technology have furthered the field of genetic research and use evidence to support an argument about the positive and negative effects of genetic research on human lives.

3. 8.L4U1.11 - I can develop and use a model to explain how natural selection may lead to increases and decreases of specific traits in populations over time.

4. 8.L4U1.12 - I can gather and communicate evidence on how the process of natural selection provides an explanation of how new species can evolve.

Eighth Grade Social Studies Standards

Quarter 1 Standards:

1. 8.SS.C1.01: I can analyze the ideas and principles of the founding documents of the United States. • Declaration of Independence • Constitution • Bill of Rights

2. 8.SS.C1.02: Demonstrate civic virtues that contribute to the common good and democratic principles within a variety of deliberative processes and settings.

3. 8.SS.C1.03: I can analyze how the personal interest and perspectives influence issues and problems in government and society.

4. 8.SS.C2.02: I can explain the roles, rights, and responsibility I have as a citizen in our society.

5. 8.SS.C2.03: I can analyze concepts and ideals such as majority and minority rights, civil dissent, and the rule of law.

6. 8.SS.C2.04: I can explain the requirements that individuals need to accomplish/undertake to become citizens.

7. 8.SS.C3.01: I can describe how political parties, interest groups, elections, and the media can create, shape, or change policy.

8. 8.SS.C3.02: I can explain why we have constitutions, laws, treaties, and international agreements.

9. 8.SS.C3.03: I can compare the structures, powers, and limits of government at the federal, state, and local levels.

10. 8.SS.C4.01: I can determine the process, rules, and laws that govern societies and are used to address any problems.
11. **8.SS.C4.02**: I can assess specific rules and laws (both actual and proposed) as means of addressing public problems.

12. **8.SS.C4.05**: I can analyze how a specific problem can manifest itself at the local, regional, and global levels, identifying its characteristics and causes, and the challenges and opportunities faced by those trying to address the problem. I can apply a range of deliberative and democratic procedures to take action and solve the problem.

13. **8.SS.E1.01**: I can analyze how levels of education affect how much money a person makes.

14. **8.SS.E1.02**: I can analyze how interest rates affect consumers.

15. **8.SS.E1.03**: Analyze the relationship between investment and return.

16. **8.SS.E1.05**: I can create a budget.

17. **8.SS.E3.01**: I can explain the roles of buyers and sellers.

18. **8.SS.E3.02**: I can analyze supply and demand.

19. **8.SS.E4.01**: I can explain inflation, deflation, and unemployment.

20. **8.SS.E5.01**: I can explain how nations are connected through trade.

21. **8.SS.E5.02**: I can compare different types of economic systems.

22. **8.SS.E5.03**: I can explain the benefits and the costs of trade policies to individuals, businesses, and society.

23. **8.SS.G1.01**: I can use key tools and representations to analyze historical and modern political and economic issues and events.

24. **8.SS.G2.02**: I can evaluate how political, social and economic decisions have influenced cultural and environmental characteristics of various places and events over time.

25. **8.SS.G3.01**: I can evaluate the impact of economic, political, and social decisions that have caused conflict or promoted cooperation throughout time.

26. **8.SS.H2.01**: I can explain how Americans’ opinions on the role of government have changed over time.

27. **8.SS.H2.02**: I can compare how conflicts can divide people or bring them together.

28. **8.SS.H3.03**: I can compare how individual rights, freedoms and responsibilities have changed and grown over time around the world.

29. **8.SS.H3.04**: I can investigate a significant historical topic from US history that has significance to an issue or topic today.
Quarter 2 Standards:

1. **8.SS.C1.01**: I can analyze the ideas and principles of the founding documents of the United States. • Declaration of Independence • Constitution • Bill of Rights

2. **8.SS.C1.04**: I can engage in projects to help or inform others such as community service and service-learning projects.

3. **8.SS.C2.02**: I can explain the roles, rights, and responsibility I have as a citizen in our society.

4. **8.SS.C2.03**: I can analyze concepts and ideals such as majority and minority rights, civil dissent, and the rule of law.

5. **8.SS.C3.02**: I can explain why we have constitutions, laws, treaties, and international agreements.

6. **8.SS.E3.03**: I can analyze the influence of institutions such as corporations, non-profits, and labor unions in a market economy.

7. **8.SS.E4.02**: I can explain the influence of changes in interest rates on borrowing and investing.

8. **8.SS.E4.03**: I can explain the effect of productivity on standard of living.

9. **8.SS.E5.01**: I can explain how nations are connected through trade.

10. **8.SS.E5.02**: I can compare different types of economic systems.

11. **8.SS.G1.01**: I can use key tools and representations to analyze historical and modern political and economic issues and events.

12. **8.SS.G3.01**: I can evaluate the impact of economic, political, and social decisions that have caused conflict or promoted cooperation throughout time.

13. **8.SS.H2.01**: I can explain how Americans’ opinions on the role of government have changed over time.

14. **8.SS.H2.02**: I can compare how conflicts can divide people or bring them together.

15. **8.SS.H2.03**: I can explain how geographic and environmental factors have shaped communities and affected government policies.

16. **8.SS.H3.01**: I can explain how and why certain movements have changed the United States during the 20th and 21st centuries.

17. **8.SS.H3.03**: I can compare how individual rights, freedoms and responsibilities have changed and grown over time around the world.

18. **8.SS.H3.04**: I can investigate a significant historical topic from US history that has significance to an issue or topic today.
Quarter 3 Standards:

1. **8.SS.C1.01**: I can analyze the ideas and principles of the founding documents of the United States. • Declaration of Independence • Constitution • Bill of Rights.

2. **8.SS.C1.03**: I can analyze how the personal interest and perspectives influence issues and problems in government and society.

3. **8.SS.C2.01**: I can analyze the powers of citizens in a variety of governmental and non-governmental contexts.

4. **8.SS.C2.02**: I can explain the roles, rights, and responsibility I have as a citizen in our society.

5. **8.SS.C2.03**: I can analyze concepts and ideals such as majority and minority rights, civil dissent, and the rule of law.

6. **8.SS.C3.02**: I can explain why we have constitutions, laws, treaties, and international agreements.

7. **8.SS.C4.03**: I can analyze the purpose, process, implementation, and consequences of decision making and public policies in multiple settings and at different levels including the national, state, local (county, city, school board), and tribal.

8. **8.SS.C4.04**: I can identify, research, analyze, discuss, and defend a position on a national, state, or local public policy issue including an action plan to address or inform others about the issue.

9. **8.SS.E1.06**: I can analyze the impact of debt on individuals.

10. **8.SS.E1.08**: I can identify ways insurance may minimize personal financial risk.

11. **8.SS.E2.01**: I can explain how economic decisions affect the well-being of individuals, businesses, and society.

12. **8.SS.E5.01**: I can explain how nations are connected through trade.

13. **8.SS.E5.02**: I can compare different types of economic systems.

14. **8.SS.G1.01**: I can use key tools and representations to analyze historical and modern political and economic issues and events.

15. **8.SS.G2.02**: I can evaluate how political, social and economic decisions have influenced cultural and environmental characteristics of various places and events over time.

16. **8.SS.G3.01**: I can evaluate the impact of economic, political, and social decisions that have caused conflict or promoted cooperation throughout time.

17. **8.SS.H2.01**: I can explain how Americans’ opinions on the role of government have changed over time

18. **8.SS.H2.02**: I can compare how conflicts can divide people or bring them together.
19. **8.SS.H3.01**: I can explain how and why certain movements have changed the United States during the 20th and 21st centuries.

20. **8.SS.H3.03**: I can compare how individual rights, freedoms and responsibilities have changed and grown over time around the world.

21. **8.SS.H3.04**: I can investigate a significant historical topic from US history that has significance to an issue or topic today.

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**Quarter 4 Standards:**

1. **8.SS.C1.01**: I can analyze the ideas and principles of the founding documents of the United States. • Declaration of Independence • Constitution • Bill of Rights

2. **8.SS.C1.03**: I can analyze how the personal interest and perspectives influence issues and problems in government and society.

3. **8.SS.C2.02**: I can explain the roles, rights, and responsibility I have as a citizen in our society.

4. **8.SS.C2.03**: I can analyze concepts and ideals such as majority and minority rights, civil dissent, and the rule of law.

5. **8.SS.C2.04**: I can explain the requirements that individuals need to accomplish/undertake to become citizens.

6. **8.SS.C3.01**: I can describe how political parties, interest groups, elections, and the media can create, shape, or change policy.

7. **8.SS.C3.02**: I can explain why we have constitutions, laws, treaties, and international agreements.

8. **8.SS.E1.07**: I can understand several types of financial investments and calculate rates of return.

9. **8.SS.E2.02**: I can evaluate current economic issues in terms of benefits and costs for distinct groups.

10. **8.SS.E5.01**: I can explain how nations are connected through trade.

11. **8.SS.E5.02**: I can compare different types of economic systems.

12. **8.SS.G1.01**: I can use key tools and representations to analyze historical and modern political and economic issues and events.

13. **8.SS.G2.01**: I can examine impact of and responses to environmental issues such as air, water, and land pollution, deforestation, urban sprawl, and changes to climate.

14. **8.SS.G3.01**: I can evaluate the impact of economic, political, and social decisions that have caused conflict or promoted cooperation throughout time.
15. **8.SS.G4.01**: I can take an active stance on a geographic issue reflecting its scale (local, regional, state, national, or global).

16. **8.SS.H2.01**: I can explain how Americans’ opinions on the role of government have changed over time.

17. **8.SS.H2.02**: I can compare how conflicts can divide people or bring them together.

18. **8.SS.H3.01**: I can explain how and why certain movements have changed the United States during the 20th and 21st centuries.

19. **8.SS.H3.02**: I can explain how movements, reform efforts, and activists groups have sought to change American society.

20. **8.SS.H3.03**: I can compare how individual rights, freedoms and responsibilities have changed and grown over time around the world.

21. **8.SS.H3.04**: I can investigate a significant historical topic from US history that has significance to an issue or topic today.

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**Eighth Grade Writing Standards**

**Quarter 1 Standards:**

1. **8.W.02**: The Highly Proficient student can write an informative text that examines a topic and conveys ideas with a strongly developed focus, organization, analysis, and conclusion using precise language, specific vocabulary with a formal style and objective tone appropriate to the audience.

2. **8.W.04**: The Highly Proficient student can produce a clear and coherent piece of writing that is appropriate to the task, purpose, and audience.

3. **8.W.07**: The Highly Proficient student can conduct short research projects to answer self-generating questions, using several sources to create additional questions to explore.

4. **8.W.08**: The Highly Proficient student can gather and synthesize relevant information from multiple credible and accurate sources. The Highly Proficient student can correctly cite sources while avoiding plagiarism.

**Quarter 2 Standards:**

1. **8.L.01a-d**: The Highly Proficient student can: a. explain the function of verbals and evaluate their function in particular sentences. b. intentionally form and use verbs in the active and passive voice to achieve a desired style. c. strategically form and use verbs in the indicative, imperative, interrogative, conditional, and subjunctive mood. d. analyze and correct inappropriate shifts in verb voice and mood.
2. **8.L.03**: The Highly Proficient student can strategically use verbs in the active and passive voice and in the conditional and subjunctive mood to achieve particular effects (e.g., emphasizing the actor or the action; expressing uncertainty or describing a state contrary to fact).

3. **8.L.05abc**: The Highly Proficient student can demonstrate deep understanding of figurative language, word relationships, and nuances in word meanings.

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**Quarter 3 Standards:**

1. **8.W.01**: The Highly Proficient student can write an argument to support a claim that includes clear reasoning and evidence.

2. **8.W.08**: The Highly Proficient student can gather and synthesize relevant information from multiple credible and accurate sources. The Highly Proficient student can correctly cite sources while avoiding plagiarism.

3. **8.W.09**: The Highly Proficient student can use evidence from the text to support their explanation and reflection.

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**Quarter 4 Standards:**

1. **8.L.01a-d**: The Highly Proficient student can: a. explain the function of verbals and evaluate their function in particular sentences. b. intentionally form and use verbs in the active and passive voice to achieve a desired style. c. strategically form and use verbs in the indicative, imperative, interrogative, conditional, and subjunctive mood. d. analyze and correct inappropriate shifts in verb voice and mood.

2. **8.W.03**: The Highly Proficient student can write a narrative about real or imagined experiences.

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**Yearly Standards (taught throughout the school year):**

1. **8.L.02**: The Highly Proficient student can: a. judiciously use punctuation to indicate a pause or break. b. use an ellipsis to indicate an omission. c. use correct spelling of unfamiliar and above-grade level words.

2. **8.L.04a-d**: The Highly Proficient student can determine the meaning of unknown words.

3. **8.L.06**: The Highly Proficient student can learn and use a wide range of vocabulary.

4. **8.W.05**: The Highly Proficient student can produce clear and coherent writing that is appropriate to the task purpose, and audience. The Highly Proficient student can develop and strengthen writing by using the writing process. The Highly Proficient student can use technology to produce writing that is presented in a dynamic way.

5. **8.W.06**: I can use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas efficiently as well as to interact and collaborate with others.

6. **8.W.10**: The Highly Proficient student can determine how much time is needed to write for a specific purpose.
Parents, these sites are free to use, or have at least some free options. Some may require creating a free account. Once you know the name of the standard your child is working on, try searching within the site for that standard.

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<th>K-5 Resources</th>
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<tr>
<td>Math and science games for elementary and middle school students. Free upgraded access during COVID-19 school closures.</td>
<td>Information and helpful links on creating virtual field trips for students.</td>
<td>Learn to code, as students can learn to program and share or explore already created stories, games, and animation.</td>
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<td><strong>Social Studies Weekly</strong></td>
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<tr>
<td>Strong Math and ELA focus, but also including some other areas such as technology, movement, and mindfulness.</td>
<td>Social Studies resources, documents, and video clips.</td>
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<tr>
<td><strong>BrainPOP</strong></td>
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<td>Videos, activities, and lessons with free access during COVID-19 school closures.</td>
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<td><strong>Purple Math</strong></td>
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<td>Informative explanations of many math topics. Searchable by content and</td>
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https://www.beyondtextbooks.org/Parent_Portal/What_is_my_child_learning/6-8/8th_Grade
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<th>Website</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LearnZillion</strong></td>
<td><strong>ELA and Math</strong> resources for students and parents in grades 3-9.** Free, engaging science lessons designed for remote learning in grades K-5.</td>
</tr>
<tr>
<td><strong>Mystery Science</strong></td>
<td>Free trial period available.</td>
</tr>
<tr>
<td><strong>NewsELA</strong></td>
<td>Student-friendly articles based on news and current events.</td>
</tr>
<tr>
<td><strong>Learning A-Z</strong></td>
<td><strong>Literacy</strong> resources, free for the rest of the school year, focused on literacy in a variety of content areas.</td>
</tr>
<tr>
<td><strong>ABCYA</strong></td>
<td>Engaging virtual games in a variety of contents, K-6.</td>
</tr>
<tr>
<td><strong>Amazing Educational Resources</strong></td>
<td>Frequently-updated website with links to sites that are offering free subscriptions due to COVID-19 school closures.</td>
</tr>
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<td><strong>Boom Learning</strong></td>
<td>Self-grading exercises that are gamified for students and provide data. Free accounts available during COVID-19 school closures.</td>
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<tr>
<td><strong>Project Gutenberg</strong></td>
<td><strong>Free library</strong> of over 60,000 e-books.</td>
</tr>
<tr>
<td><strong>GoNoodle</strong></td>
<td>Movement and mindfulness videos created by child development experts.</td>
</tr>
<tr>
<td><strong>Scholastic Learn at Home</strong></td>
<td><strong>Daily cross-curricular activities</strong> at the K-6+ level, designed for remote learning.</td>
</tr>
<tr>
<td><strong>Lunch Doodle with Mo Willems!</strong></td>
<td>Join the Kennedy Center Artist-in-Residence for daily drawing, doodling, and writing.</td>
</tr>
<tr>
<td><strong>200 Free Educational Resources</strong></td>
<td><strong>200 free educational resources</strong> including video lessons, apps, books, and websites.</td>
</tr>
<tr>
<td><strong>Kids Discover</strong></td>
<td>Over 2,000 science and social studies articles with visuals and assessments for elementary and middle school students.</td>
</tr>
<tr>
<td><strong>National Geographic Kids</strong></td>
<td>Free games, videos, and exploration on a variety of high-interest topics.</td>
</tr>
<tr>
<td><strong>MSU: Educational Resources</strong></td>
<td>Activity books, guides, and resources designed to help students remain engaged in education during COVID-19 school closures.</td>
</tr>
<tr>
<td><strong>Oxford Owl for Home</strong></td>
<td></td>
</tr>
<tr>
<td><strong>PBS Kids</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Phonics Hero</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Free books, lessons, and activities designed for at-home learning.</strong></td>
<td><strong>Daily activities, games, and tips to help kids play and learn at home.</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>Squiggle Park</strong>&lt;br&gt;<strong>Reading</strong> skill-building and comprehension activities.</td>
<td><strong>Starfall</strong>&lt;br&gt;Activities and games in reading development, math, ELA, and music.</td>
</tr>
<tr>
<td><strong>Swing Education Resources</strong>&lt;br&gt;List of 20+ online learning resources available during COVID-19 school closures.</td>
<td><strong>Educational Resources to Use at Home</strong>&lt;br&gt;List of 37 online learning resources available during COVID-19 school closures.</td>
</tr>
<tr>
<td><strong>Reid Park Zoo</strong>&lt;br&gt;Live web cams for elephants, lions, grizzlies, giraffes, and lemurs, and other educational opportunities.</td>
<td><strong>Arizona Public Media - At Home Learning</strong>&lt;br&gt;Resources to expand learning and family engagement -- updated weekly during the COVID-19 outbreak.</td>
</tr>
<tr>
<td><strong>PBS</strong>&lt;br&gt;Literacy, math, science, and art activities for students up to age 8.</td>
<td><strong>Pima County Library</strong>&lt;br&gt;Hundreds of free audiobooks and read-alongs.</td>
</tr>
<tr>
<td><strong>NYC Dept of Education Resources</strong>&lt;br&gt;Links for at-home learning, including magazines, websites, free or discounted books, and Coronavirus information for</td>
<td><strong>AzM2 Sample Tests</strong>&lt;br&gt;Sample tests to familiarize students, teachers, and parents with content, item types, and the user interface of the Arizona state assessments.</td>
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https://www.beyondtextbooks.org/Parent_Portal/What_is_my_child_learning/6-8/8th_Grade
Updated: Sun, 04 Oct 2020 05:04:42 GMT
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<table>
<thead>
<tr>
<th>Website</th>
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<tr>
<td><strong>Common Lit</strong></td>
<td>Many reading resources based on all content areas. Searchable by topic and subject.</td>
</tr>
<tr>
<td><strong>YouTube</strong></td>
<td>Try searching for a specific topic, such as &quot;how to add fractions&quot;.</td>
</tr>
<tr>
<td><strong>The Science Spot</strong></td>
<td>Many resources based on science. Searchable by topic and subject.</td>
</tr>
<tr>
<td><strong>Wonderopolis</strong></td>
<td>Explore the &quot;wonder of the day&quot; or those of past days for highly engaging passages and videos.</td>
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<tr>
<td><strong>NASA</strong></td>
<td>STEM (science, technology, engineering, and math) activities designed to do at home.</td>
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<tr>
<td><strong>Cool Cat Teacher Resources for Home</strong></td>
<td>List of 20+ online learning resources available during COVID-19 school closures.</td>
</tr>
<tr>
<td><strong>WordWorld</strong></td>
<td>Interactive books, games, and printable activities.</td>
</tr>
<tr>
<td><strong>FunBrain</strong></td>
<td>Games, reading, and videos focused on a variety of topics and contents.</td>
</tr>
<tr>
<td><strong>Switch Zoo</strong></td>
<td>All about animals. Make and play, watch and listen, or teach and learn.</td>
</tr>
<tr>
<td><strong>TIME for Kids</strong></td>
<td>Time magazine but for kids, focused on literacy skills and becoming informed and active citizens.</td>
</tr>
<tr>
<td><strong>VOOKS</strong></td>
<td>Ad-free streaming library of read-aloud animated storybooks. 1 month free.</td>
</tr>
<tr>
<td><strong>TED Talks</strong></td>
<td>TED Talks for students on highly engaging topics, including video, questions, deeper information, and discussion topics.</td>
</tr>
<tr>
<td><strong>Grammar Checker</strong></td>
<td>Students can check for correct grammar and spelling in their writing using this website (free and no registration required).</td>
</tr>
</tbody>
</table>

### Middle School Resources

https://www.beyondtextbooks.org/Parent_Portal/What_is_my_child_learning/6-8/8th_Grade

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<table>
<thead>
<tr>
<th><strong>Study Island</strong></th>
<th><strong>Reading A-Z</strong></th>
<th><strong>Scratch and Scratch Jr.</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Practice and assessment</strong> tool that is customizable and offers real-time progress monitoring, K-12. Free access right now.</td>
<td><strong>Leveled reading</strong> passages and activities with cross-curricular connections. Free trial period available.</td>
<td><strong>Learn to code</strong>, as students can learn to program and share or explore already created stories, games, and animation.</td>
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<table>
<thead>
<tr>
<th><strong>History.com</strong></th>
<th><strong>ReadWorks</strong></th>
<th><strong>BrainPOP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Social Studies</strong> resources, documents, and video clips.</td>
<td><strong>Thousands of free reading passages. You can sort by grade, topic, difficulty and more. Create a free account in the upper right corner.</strong></td>
<td><strong>Videos, activities, and lessons</strong> with free access during COVID-19 school closures.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Biology Corner</strong></th>
<th><strong>Purple Math</strong></th>
<th><strong>Typing Agent</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Very detailed Biology resources. Mostly high school level, but useful in middle school as well.</strong></td>
<td><strong>Informative explanations of many math topics. Searchable by content and standard.</strong></td>
<td><strong>Students work through a variety of keyboarding practice activities, with a data collection component. Free trial period available.</strong></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th><strong>Khan Academy</strong></th>
<th><strong>LearnZillion</strong></th>
<th><strong>NewsELA</strong></th>
</tr>
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<tr>
<td><strong>High-quality instructional videos on many standards. Search by subject and standard.</strong></td>
<td><strong>ELA and Math resources for students and parents in grades 3-9.</strong></td>
<td><strong>Student-friendly articles based on news and current events.</strong></td>
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<td><strong>Self-grading exercises that are gamified for students and provide data. Free accounts available during COVID-19 school closures.</strong></td>
<td><strong>Free library of over 60,000 e-books.</strong></td>
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<th><strong>Kids Discover</strong></th>
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<td><strong>200 free educational resources</strong></td>
<td><strong>Over 2,000 science and social</strong></td>
<td><strong>Activity books, guides, and</strong></td>
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</table>
including video lessons, apps, books, and websites. | **studies** articles with visuals and assessments for elementary and middle school students. | resources designed to help students remain **engaged in education** during COVID-19 school closures.  

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**Squiggle Park**

**Reading** skill-building and comprehension activities. | **Swing Education Resources**

List of 20+ **online learning resources** available during COVID-19 school closures. | **Educational Resources to Use at Home**

List of 37 **online learning resources** available during COVID-19 school closures.

---

**Online Physical Education Network**

**Games** and calendars for families as well as teacher and parent tools. | **Arizona Public Media - At Home Learning**

Resources to expand learning and **family engagement** -- updated weekly during the COVID-19 outbreak. | **Google Arts & Culture**

Artwork, collections, and stories from around the world, including **virtual field trips**.

---

**Pima County Library**

Hundreds of **free audiobooks** and read-alongs. | **Teachers Pay Teachers**

Many of these resources require purchase, but some are **free to download** and use. Filter your search to "Free" options. | **NYC Dept of Education Resources**

Links for **at-home learning**, including magazines, websites, free or discounted books, and Coronavirus information for children.

---

**AzM2 Sample Tests**

**Sample tests** to familiarize students, teachers, and parents with content, item types, and the user interface of the Arizona state assessments. | **ReadWriteThink**

A very powerful website for **ELA standards** and practice. | **Common Lit**

Many **reading resources** based on all content areas. Searchable by topic and subject.

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**Parts of Speech** | **YouTube** | **The Science Spot**

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<tr>
<th>ELA resource based on parts of speech.</th>
<th>Try searching for a <strong>specific topic</strong>, such as &quot;how to add fractions&quot;.</th>
<th>Many resources based on <strong>science</strong>. Searchable by topic and subject.</th>
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<td><strong>Mood and Tone</strong></td>
<td><strong>Wonderopolis</strong></td>
<td><strong>NASA</strong></td>
</tr>
<tr>
<td>A list of <strong>descriptive words</strong> to pump up the quality of writing.</td>
<td>Explore the &quot;<strong>wonder of the day</strong>&quot; or those of past days for highly engaging passages and videos.</td>
<td><strong>STEM</strong> (science, technology, engineering, and math) activities designed to do at home.</td>
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<td>Games, reading, and videos focused on a <strong>variety of topics and contents</strong>.</td>
<td><strong>TED Talks for students</strong> on highly engaging topics, including video, questions, deeper information, and discussion topics.</td>
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<td><strong>Teaching Finances to Kids</strong></td>
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<td>Information and helpful links on creating <strong>virtual field trips</strong> for students.</td>
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<td><strong>High School Resources</strong></td>
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<td>Informative explanations of many <strong>math</strong> topics. Searchable by content and standard.</td>
<td>High-quality instructional videos on <strong>many standards</strong>. Search by subject and standard.</td>
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<td>Resources to expand learning and <strong>family engagement</strong> -- updated weekly during the COVID-19 outbreak.</td>
<td>Artwork, collections, and stories from around the world, including <strong>virtual field trips</strong>.</td>
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<td>Educator</td>
<td>Big History Project</td>
</tr>
<tr>
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<td>-----------------------------------------------</td>
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</tr>
<tr>
<td>A YouTube channel with great math how-to videos.</td>
<td>Many of these resources require a paid subscription, but some are free to view. Good section on AP classes.</td>
<td>A comprehensive &quot;history of the universe&quot; project.</td>
</tr>
<tr>
<td>ReadWriteThink</td>
<td>Common Lit</td>
<td>YouTube</td>
</tr>
<tr>
<td>A very powerful website for ELA standards and practice.</td>
<td>Many reading resources based on all content areas. Searchable by topic and subject.</td>
<td>Try searching for a specific topic, such as &quot;how to add fractions&quot;.</td>
</tr>
<tr>
<td>Text structures: types, outlines, and examples</td>
<td>The Science Spot</td>
<td>Wonderopolis</td>
</tr>
<tr>
<td>Very useful guidelines on writing and types of writing.</td>
<td>Many resources based on science. Searchable by topic and subject.</td>
<td>Explore the &quot;wonder of the day&quot; or those of past days for highly engaging passages and videos.</td>
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