

Grades 9-10

Write to argue a position, supporting claims using logical reasoning and credible evidence from multiple sources, rebutting counterclaims with relevant evidence, using a logical organizational structure, elaboration, purposeful transitions, and a tone appropriate to the task. [ELA.9.C.1.3](#)

- 1 Write to argue a position, supporting claims using logical reasoning and credible evidence from multiple sources, rebutting counterclaims with relevant evidence, using a logical organizational structure, elaboration, purposeful transitions, and a tone appropriate to the task. [ELA.9.C.1.3](#)

Write expository texts to explain and analyze information from multiple sources, using a logical organization, varied purposeful transitions, and a tone appropriate to the task. [ELA.9.C.1.4](#)

- 2 Write expository texts to explain and analyze information from multiple sources, using a logical organization, varied purposeful transitions, and a tone appropriate to the task. [ELA.9.C.1.4](#)

Improve writing by considering feedback from adults, peers, and/or online editing tools, revising for clarity and cohesiveness. [ELA.9.C.1.5](#)

- 3 Improve writing by considering feedback from adults, peers, and/or online editing tools, revising for clarity and cohesiveness. [ELA.9.C.1.5](#)

Present information orally, with a logical organization and coherent focus, with credible evidence, creating a clear perspective. [ELA.9.C.2.1](#)

- 4 Present information orally, with a logical organization and coherent focus, with credible evidence, creating a clear perspective. [ELA.9.C.2.1](#)

Follow the rules of standard English grammar, punctuation, capitalization, and spelling appropriate to grade level. [ELA.9.C.3.1](#)

5 Follow the rules of standard English grammar, punctuation, capitalization, and spelling appropriate to grade level. [ELA.9.C.3.1](#)

Conduct research to answer a question, drawing on multiple reliable and valid sources, and refining the scope of the question to align with findings. [ELA.9.C.4.1](#)

6 Conduct research to answer a question, drawing on multiple reliable and valid sources, and refining the scope of the question to align with findings. [ELA.9.C.4.1](#)

Create digital presentations with coherent ideas and a clear perspective. [ELA.9.C.5.1](#)

7 Create digital presentations with coherent ideas and a clear perspective. [ELA.9.C.5.1](#)

Analyze how multiple text structures and/or features convey a purpose and/or meaning in texts. [ELA.9.R.2.1](#)

8 Analyze how multiple text structures and/or features convey a purpose and/or meaning in texts. [ELA.9.R.2.1](#)

Evaluate the support an author uses to develop the central idea(s) throughout a text. [ELA.9.R.2.2](#)

9 Evaluate the support an author uses to develop the central idea(s) throughout a text. [ELA.9.R.2.2](#)

Analyze how an author establishes and achieves purpose(s) through rhetorical appeals and/or figurative language. [ELA.9.R.2.3](#)

10 Analyze how an author establishes and achieves purpose(s) through rhetorical appeals and/or figurative language. [ELA.9.R.2.3](#)

Compare the development of two opposing arguments on the same topic, evaluating the effectiveness and validity of the claims. [ELA.9.R.2.4](#)

11 Compare the development of two opposing arguments on the same topic, evaluating the effectiveness and validity of the claims. [ELA.9.R.2.4](#)

Integrate academic vocabulary appropriate to grade level in speaking and writing. ELA.9.V.1.1

12 Integrate academic vocabulary appropriate to grade level in speaking and writing. ELA.9.V.1.1

Cite evidence to explain and justify reasoning. ELA.K12.EE.1.1

13 Cite evidence to explain and justify reasoning. ELA.K12.EE.1.1

Read and comprehend grade-level complex texts proficiently. ELA.K12.EE.2.1

14 Read and comprehend grade-level complex texts proficiently. ELA.K12.EE.2.1

Make inferences to support comprehension. ELA.K12.EE.3.1

15 Make inferences to support comprehension. ELA.K12.EE.3.1

Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations. ELA.K12.EE.4.1

16 Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations. ELA.K12.EE.4.1

Use the accepted rules governing a specific format to create quality work. ELA.K12.EE.5.1

17 Use the accepted rules governing a specific format to create quality work. ELA.K12.EE.5.1

Use appropriate voice and tone when speaking or writing. ELA.K12.EE.6.1

18 Use appropriate voice and tone when speaking or writing. ELA.K12.EE.6.1

Actively participate in effortful learning both individually and collectively. MA.K12.MTR.1.1

e Help and support each other when attempting a new method or approach. MA.K12.MTR.1.1.E

d Stay engaged and maintain a positive mindset when working to solve tasks. MA.K12.MTR.1.1.D

c Build perseverance by modifying methods as needed while solving a challenging task. MA.K12.MTR.1.1.C

b Ask questions that will help with solving the task. MA.K12.MTR.1.1.B

a Analyze the problem in a way that makes sense given the task. MA.K12.MTR.1.1.A

Demonstrate understanding by representing problems in multiple ways.

Mathematicians who demonstrate understanding by representing problems in multiple ways: MA.K12.MTR.2.1

e Choose a representation based on the given context or purpose. MA.K12.MTR.2.1.E

d Express connections between concepts and representations. MA.K12.MTR.2.1.D

c Progress from modeling problems with objects and drawings to using algorithms and equations. MA.K12.MTR.2.1.C

b Represent solutions to problems in multiple ways using objects, drawings, tables, graphs and equations. MA.K12.MTR.2.1.B

a Build understanding through modeling and using manipulatives. MA.K12.MTR.2.1.A

Complete tasks with mathematical fluency. Mathematicians who complete tasks with mathematical fluency: MA.K12.MTR.3.1

e Use feedback to improve efficiency when performing calculations. MA.K12.MTR.3.1.E

d Adapt procedures to apply them to a new context. MA.K12.MTR.3.1.D

c Complete tasks accurately and with confidence. MA.K12.MTR.3.1.C

b Maintain flexibility and accuracy while performing procedures and mental calculations. MA.K12.MTR.3.1.B

a Select efficient and appropriate methods for solving problems within the given context. MA.K12.MTR.3.1.A

Engage in discussions that reflect on the mathematical thinking of self and others.

Mathematicians who engage in discussions that reflect on the mathematical thinking of self and others: MA.K12.MTR.4.1

f Construct possible arguments based on evidence. MA.K12.MTR.4.1.F

e Justify results by explaining methods and processes. MA.K12.MTR.4.1.E

d Recognize errors and suggest how to correctly solve the task. MA.K12.MTR.4.1.D

c Compare the efficiency of a method to those expressed by others. MA.K12.MTR.4.1.C

b Analyze the mathematical thinking of others. MA.K12.MTR.4.1.B

a Communicate mathematical ideas, vocabulary and methods effectively. MA.K12.MTR.4.1.A

Use patterns and structure to help understand and connect mathematical concepts. Mathematicians who

f Connect solutions of problems to more complicated large-scale situations. MA.K12.MTR.5.1.F

e Look for similarities among problems. MA.K12.MTR.5.1.E

use patterns and structure to help understand and connect mathematical concepts: [MA.K12.MTR.5.1](#)

- d** Relate previously learned concepts to new concepts. [MA.K12.MTR.5.1.D](#)
- c** Decompose a complex problem into manageable parts. [MA.K12.MTR.5.1.C](#)
- b** Create plans and procedures to logically order events, steps or ideas to solve problems. [MA.K12.MTR.5.1.B](#)
- a** Focus on relevant details within a problem. [MA.K12.MTR.5.1.A](#)

Assess the reasonableness of solutions. Mathematicians who assess the reasonableness of solutions: [MA.K12.MTR.6.1](#)

- e** Evaluate results based on the given context. [MA.K12.MTR.6.1.E](#)
- d** Verify possible solutions by explaining the methods used. [MA.K12.MTR.6.1.D](#)
- c** Check calculations when solving problems. [MA.K12.MTR.6.1.C](#)
- b** Use benchmark quantities to determine if a solution makes sense. [MA.K12.MTR.6.1.B](#)
- a** Estimate to discover possible solutions. [MA.K12.MTR.6.1.A](#)

Apply mathematics to real-world contexts. Mathematicians who apply mathematics to real-world contexts: [MA.K12.MTR.7.1](#)

- c** Perform investigations to gather data or determine if a method is appropriate. • Redesign models and methods to improve accuracy or efficiency. [MA.K12.MTR.7.1.C](#)
- b** Use models and methods to understand, represent and solve problems. [MA.K12.MTR.7.1.B](#)
- a** Connect mathematical concepts to everyday experiences. [MA.K12.MTR.7.1.A](#)

Discuss strategies for improving the encoding of memory. [SS.912.P.11.3](#)

- 26** Discuss strategies for improving the encoding of memory. [SS.912.P.11.3](#)

Discuss strategies for improving the storage of memories. [SS.912.P.11.7](#)

- 27** Discuss strategies for improving the storage of memories. [SS.912.P.11.7](#)

Discuss strategies for improving the retrieval of memories. [SS.912.P.11.12](#)

- 28** Discuss strategies for improving the retrieval of memories. [SS.912.P.11.12](#)

Define cognitive processes involved in understanding information. [SS.912.P.12.1](#)

- 29** Define cognitive processes involved in understanding information. [SS.912.P.12.1](#)

Define processes involved in problem solving and decision making. [SS.912.P.12.2](#)

30 Define processes involved in problem solving and decision making. [SS.912.P.12.2](#)

Describe obstacles to decision making. [SS.912.P.12.5](#)

31 Describe obstacles to decision making. [SS.912.P.12.5](#)

English language learners communicate for social and instructional purposes within the school setting. [ELD.K12.ELL.SI.1](#)

32 English language learners communicate for social and instructional purposes within the school setting. [ELD.K12.ELL.SI.1](#)

Weigh the merits of alternative strategies for solving a specific societal problem by comparing a number of different costs and benefits, such as human, economic, and environmental. [SC.912.N.4.2](#)

33 Weigh the merits of alternative strategies for solving a specific societal problem by comparing a number of different costs and benefits, such as human, economic, and environmental. [SC.912.N.4.2](#)