Fuel Your Brain & Body

Michigan Department of Education Standards*

Grades 6-12

GRADE 6	Activity 1	Activity 2	Activity 3
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 6: Advocacy and Health Promotion			
Balanced Eating and Physical Activity 4. Articulate a health-promoting position on a nutrition-related topic and support the claim with accurate information.		✓	✓
Life Sciences			
Structure, Function, and Information Processing MS-LS1-3 - Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.		✓	
Matter and Energy in Organisms and Ecosystems MS-LS1-7 - Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

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GRADE 7			
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 6: Advocacy and Health Promotion			
Balanced Eating and Physical Activity 4. Articulate a health-promoting position on a nutrition-related topic and support the claim with accurate information.		✓	✓
Life Sciences			
Structure, Function, and Information Processing MS-LS1-3 - Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.		✓	
Matter and Energy in Organisms and Ecosystems MS-LS1-7 - Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

GRADE 8	Activity 1	Activity 2	Activity 3
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing: 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 6: Advocacy and Health Promotion			
Balanced Eating and Physical Activity 4. Articulate a health-promoting position on a nutrition-related topic and support the claim with accurate information.		✓	✓
Life Sciences			
Structure, Function, and Information Processing MS-LS1-3 - Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.		✓	
Matter and Energy in Organisms and Ecosystems MS-LS1-7 - Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

GRADE 9			
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9-10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 3: Information and Resource Seeking			
Balanced Eating and Physical Activity 1. Evaluate the validity of claims made by companies and social media influencers intended to promote or improve nutrition, fitness, and a healthy, active lifestyle.	✓		✓
Health – Practice 5: Self-Management and Goal Setting			
Balanced Eating and Physical Activity 1. Compare and contrast various dietary guidelines and practices from valid and reliable sources, locations, and cultures.		✓	
Life Sciences			
Matter and Energy in Organisms and Ecosystems HS-LS1-6 - Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

GRADE 10	Activity 1	Activity 2	Activity 3
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9-10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 3: Information and Resource Seeking			
Balanced Eating and Physical Activity 1. Evaluate the validity of claims made by companies and social media influencers intended to promote or improve nutrition, fitness, and a healthy, active lifestyle.	✓		✓
Health – Practice 5: Self-Management and Goal Setting			
Balanced Eating and Physical Activity 1. Compare and contrast various dietary guidelines and practices from valid and reliable sources, locations, and cultures.		✓	
Life Sciences			
Matter and Energy in Organisms and Ecosystems HS-LS1-6 - Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

GRADE 11			
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11-12 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 3: Information and Resource Seeking			
Balanced Eating and Physical Activity 1. Evaluate the validity of claims made by companies and social media influencers intended to promote or improve nutrition, fitness, and a healthy, active lifestyle.	✓		✓
Health – Practice 5: Self-Management and Goal Setting			
Balanced Eating and Physical Activity 1. Compare and contrast various dietary guidelines and practices from valid and reliable sources, locations, and cultures.		✓	
Life Sciences			
Matter and Energy in Organisms and Ecosystems HS-LS1-6 - Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓

GRADE 12	Activity 1	Activity 2	Activity 3
English Language Arts – Speaking and Listening			
Comprehension and Collaboration 1. Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11-12 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓
English Language Arts – Writing			
Production and Distribution of Writing: 4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	✓	✓	✓
English Language Arts – Language			
Conventions of Standard English 1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	✓	✓	✓
Health – Practice 3: Information and Resource Seeking			
Balanced Eating and Physical Activity 1. Evaluate the validity of claims made by companies and social media influencers intended to promote or improve nutrition, fitness, and a healthy, active lifestyle.	✓		✓
Health – Practice 5: Self-Management and Goal Setting			
Balanced Eating and Physical Activity 1. Compare and contrast various dietary guidelines and practices from valid and reliable sources, locations, and cultures.		✓	
Life Sciences			
Matter and Energy in Organisms and Ecosystems HS-LS1-6 - Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.		✓	
Science and Engineering Practices			
The activities support the following practices: 1. Asking questions and defining problems 4. Analyzing and interpreting data 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	✓	✓	✓