West Virginia Standards Alignment

The presentations offered by The Educated Choices Program provide support for teaching and learning of the following standards:

English Language Arts Grades 9-12		Environment and Modern Agriculture	Healthful Eating	Future of Food
Grade 9 Speaking and Listening	ELA.9.30 Initiate and effectively participate in a range of collaborative discussions (one-on-one, in groups, teacher-led) with diverse partners on grade 9 topics, texts, and issues, building on others' ideas and expressing ideas clearly and persuasively.	✔	✔	✔
Grade 9 Speaking and Listening	ELA.9.30.c. Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.	✔	✔	✔

Grade 9 Speaking and Listening	ELA.9.30.d. Respond thoughtfully to diverse perspectives; summarize points of agreement and disagreement and, when warranted, qualify or justify views and understanding and make new connections in light of the evidence and reasoning presented.	✔	✔	✔
Grade 9 Speaking and Listening	ELA.9.31 Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, and/or orally), evaluating the credibility and accuracy of each source.	✔	✔	✔
Grade 9 Speaking and Listening	ELA.9.32 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	✔	✔	✔
Grade 10 Speaking and Listening	ELA.10.30 Initiate and effectively participate in a range of collaborative discussions (one-on-one, in groups, teacher-led) with diverse partners on grade 10 topics, texts, and issues, building on others' ideas and expressing ideas clearly and persuasively.	✔	✔	✔

Grade 10 Speaking and Listening	ELA.10.30.c Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.	✔	✔	✔
Grade 10 Speaking and Listening	ELA.10.30.d Respond thoughtfully to diverse perspectives; summarize points of agreement and disagreement and, when warranted, qualify or justify views and understanding and make new connections in light of the evidence and reasoning presented.	✔	✔	✔
Grade 10 Speaking and Listening	ELA.10.31 Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, and/or orally), evaluating the credibility and accuracy of each source in order to make decisions and solve problems.	✔	✔	✔
Grade 10 Speaking and Listening	ELA.10.32 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	✔	✔	✔

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Grade 11 Speaking and Listening	ELA.11.30 Initiate and effectively participate in a range of collaborative discussions (one-on-one, in groups, teacher-led) with diverse partners on grade 11 topics, texts, and issues, building on others' ideas and expressing ideas clearly and persuasively.	✔	✔	✔
Grade 11 Speaking and Listening	ELA.11.30.c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.	✔	✔	✔
Grade 11 Speaking and Listening	ELA.11.30.d Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	✔	✔	✔
Grade 11 Speaking and Listening	ELA.11.31 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, and/or orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	✔	✔	✔

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Grade 11 Speaking and Listening	ELA.11.32 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.	✔	✔	✔
Grade 12 Speaking and Listening	ELA.12.30 Initiate and effectively participate in a range of collaborative discussions (one-on-one, in groups, teacher-led) with diverse partners on grade 12 topics, texts, and issues, building on others' ideas and expressing ideas clearly and persuasively.	✔	✔	✔
Grade 12 Speaking and Listening	ELA.12.30.c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.	✔	✔	✔
Grade 12 Speaking and Listening	ELA.12.30.d Respond thoughtfully to diverse perspectives; synthesize and evaluate comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	✔	✔	✔

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Grade 12 Speaking and Listening	ELA.12.31 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, and/or orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and analyzing any discrepancies among the data.	✔	✔	✔
Grade 12 Speaking and Listening	ELA.12.32 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, in order to assess the stance, premises, links among ideas, word choice, points of emphasis, and tone used among multiple speakers.	✔	✔	✔
Transition ELA for Seniors: Speaking and Listening	ELA.T.24 Initiate and effectively participate in a range of collaborative discussions (one-on-one, in groups, teacher-led) with diverse partners on grade 12 topics, texts, and issues, building on others' ideas and expressing ideas clearly and persuasively.	✔	✔	✔
Transition ELA for Seniors: Speaking and Listening	ELA.T.24.c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.	✔	✔	✔

Transition ELA for Seniors: Speaking and Listening	ELA.T.24.d Respond thoughtfully to diverse perspectives; synthesize and evaluate comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	✔	✔	✔
Transition ELA for Seniors: Speaking and Listening	ELA.T.25 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	✔	✔	✔
Transition ELA for Seniors: Speaking and Listening	ELA.T.26 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.	✔	✔	✔

Science Grades 9-12		Environment and Modern Agriculture	Healthful Eating	Future of Food
Grade 9: Human Sustainability	S.9.ESS.17 Students will create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.	✔		✔
Grade 9: Human Sustainability	S.9.ESS.18 Students will evaluate or refine a technological solution that reduces impacts of human activities on natural systems.	✔		✔
Grade 9: Human Sustainability	S.9.ESS.19 Students will use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity	✔		
Earth and Space Science	S.HS.ETS.1 Students will analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.	✔		

Earth and Space Science	**S.HS.ETS.3** Students will evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.	✔		✔
Grade 10: Biology: Interdependent Relationships in Ecosystems	**S.10.LS.13** Students will design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.	✔		
Grade 10: Biology: Interdependent Relationships in Ecosystems	**S.10.LS.14** Students will evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.	✔		✔
Grade 10: Biology: Natural Selection And Evolution	**S.10.LS.24** Students will evaluate the evidence supporting claims that changes in environmental conditions may result in: (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species.	✔		

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Biology: Engineering Design	**S.HS.ETS.1** Students will analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.	✔		✔
Biology: Engineering Design	**S.HS.ETS.3** Students will evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.	✔		✔
Environmental Science	**S.HS.ENV.1** Students will compare and contrast the rate elements cycle through the ecosphere, describing natural and human influences on reaction rates: ● carbon ● nitrogen ● phosphorus ● oxygen ● sulfur	✔		

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Environmental Science	**S.HS.ENV.6** Students will explain how technology has influenced the sustainability of natural resources over time: ● forestry practices ● fossil fuels ● farming	✔		✔
Environmental Science	**S.HS.ENV.17** Students will debate climate change as it relates to natural forces, greenhouse gasses, human changes in atmospheric concentrations of greenhouse gasses, and relevant laws and treaties.	✔		
Environmental Science	**S.HS.ENV.25** Students will analyze best management practices of the agriculture business: ● fertilizers ● integrated pest management ● associated water pollution ● irrigation practices	✔		

| Engineering, Technology and Applications of Science | S.HS.ETS.3

Students will evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts. | ✔ | | ✔ |

Next Generation Science Grades 9-12		Environment and Modern Agriculture	Healthful Eating	Future of Food
Life Science	HS–LS2–2 Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.	✔		✔
Life Science	HS–LS2–7 Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.	✔		✔

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Life Science	**HS-LS2-8** Evaluate evidence for the role of group behavior on individual and species' chances to survive and reproduce.	✔		✔
Life Science	**HS-LS4-5** Evaluate the evidence supporting claims that changes in environmental conditions may result in: (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species.	✔		
Life Science	**HS–LS4–6** Create or revise a simulation to test a solution to mitigate adverse impacts of human activity on biodiversity.	✔		✔
Earth and Space Science	**HS–ESS3–3** Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.	✔		✔
Earth and Space Science	**HS–ESS3–4** Evaluate or refine a technological solution that reduces impacts of human activities on natural systems.	✔		✔

Earth and Space Science	HS–ESS3–5 Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.	✔		
Engineering, Technology, and Applications of Science	HS–ETS1–1 Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.	✔	✔	✔
Engineering, Technology, and Applications of Science	HS–ETS1–3 Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics as well as possible social, cultural, and environmental impacts.	✔	✔	✔

Social Studies Grades 9-12		Environment and Modern Agriculture	Healthful Eating	Future of Food
Economics	**SS.E.1** Analyze the role of economic choices in scarcity, supply and demand, resource allocation, decision-making, voluntary exchange and trade-offs (Choices).	✔	✔	✔
Economics	**SS.E.8** Analyze how the scarcity of natural, technological, capital and human resources requires economic systems to make choices about the distribution of goods and services	✔		✔
Economics	**SS.E.9** Explain the role that supply and demand, prices, incentives and profits play in determining what is produced and distributed in a free enterprise system.	✔	✔	✔
Economics	**SS.E.16** Compare and analyze how values and beliefs influence economic decisions in different economic systems.	✔	✔	✔

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West Virginia Academic Standards, last updated August 27th, 2022

Economics	SS.E.18 Evaluate historical and current social developments and issues from an economic perspective.	✔	✔	✔
Economics	SS.E.19 Explain historical and current developments and issues in local, national and global contexts from an economic perspective.	✔	✔	✔
Economics	SS.E.24 Analyze a public issue from an economic perspective and propose a socially desirable solution.	✔	✔	✔
Economics	SS.E.34 Evaluate long term and short term costs in relationship to long and short-term benefits.	✔	✔	✔
Geography	SS.G.5 Analyze the interaction of society with the environment (Environment and Society).	✔		✔

Geography	SS.G.7 Analyze the world and account for consequences of human/environment interactions depicting the geographic implications of world events (e.g. catastrophic environmental and climatic events, wars and conflicts, ethnic cleansing and genocide).	✔		✔
Geography	SS.G.14 Compare and contrast the impact of competition for limited resources on an interdependent global economy (e.g. distribution, sustainability, conflict and resolution).	✔		✔
Geography	SS.G.15 Examine global social and political factors and their implications (e.g., climate change, endangered species, terrorism, air pollution, habitat destruction, floods and universal human rights).	✔		✔
Geography	SS.G.18 Analyze the impact of technology or its lack on environments and societies over time.	✔		✔

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Wellness Grades 9-12		Environment and Modern Agriculture	Healthful Eating	Future of Food
Nutrition	**HE.2** Differentiate between the positive and potentially negative effects of local and global environmental health problems (e.g. pollution/hazards, food production, energy, disease, public health issues).	✔	✔	✔
Nutrition	**HE.7** Analyze how personal health behaviors/choices affect the function of body systems in preventing premature death (e.g. lifestyle choices, chronic disease).		✔	
Nutrition	**HE.10** Identify factors in the community that influence health (e.g. such as schools, resources, socioeconomic factors, geography, values, culture).		✔	
Nutrition	**HE.11** Analyze the impact peer influences have on healthy and unhealthy behaviors.		✔	

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Nutrition	HE.13 Analyze and interpret health information/data to promote healthy decision making (e.g. quackery, food labels, websites, media).		✔	

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