

Prioritized Curriculum Standards

8th Grade

MA#	Content/Measurement Topic	NAD Standard
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Exponents

- 8.EE.01 - Explain how to evaluate a base (including fractional bases) raised to an integer exponent.
- 8.EE.02 - Explain how to evaluate exponential expressions involving the same base raised to integer exponents.

Pythagorean Theorem

- **8.P**- Use the Pythagorean Theorem to determine the unknown side lengths of right triangles. 8.GEO.1 (8.G.1,2,3,4,5)
- **8.P** - Use the Pythagorean Theorem to find the distance between two points on the coordinate plane. 8.GEO.1 (8.G.1,2,3,4,5)
- **8.P**- Explain a proof of the Pythagorean Theorem and its converse. 8.GEO.1 (8.G.1,2,3,4,5)

Analyzing Claims, Evidence, and Reasoning

- 8.ACER - Compare arguments to alternate or opposing arguments
- 8.ACER -

<p>Generating Text Organization and Structure</p> <ul style="list-style-type: none"> • 8.W - Select a text structure to organize writing for a specific purpose • 8.W - Generate introductory and concluding sections that strengthen the ideas presented in the body of a text • 8.W - Use transitions to signal lines of reasoning and major ideas in a text 	<p>LA.8.W.1 (W.8.1)</p> <p>LA.8.W.2 (W.8.2)</p> <p>LA.8.W.3 (W.8.3)</p> <p>LA.8.W.6 (W.8.5)</p> <p>LA.8.W.7 (W.8.6)</p>
<p>Generating Claims, Evidence, and Reasoning</p> <ul style="list-style-type: none"> • 8.WER - Generate claims and distinguish them from counterclaims • 8.WER - Support claims with logical reasoning and relevant and sufficient evidence 	<p>LA.8.W.1 (W.8.1)</p> <p>LA.8.W.2 (W.8.2)</p> <p>LA.8.W.10 (W.8.9)</p> <p>LA.8.SL.4 (SL.8.4)</p>

Sources and Research

- 8.R

Parts of Speech <ul style="list-style-type: none"> • 8.B - Use active and passive verbs to achieve particular effects • 8.B - Explain the functions of verb tenses and moods 	LA.8.L.1 (L.8.1) LA.8.L.3 (L.8.3)
Editing <ul style="list-style-type: none"> • 8.00E+01 - Edit for capitalization and proper formatting of titles • 8.00E+02 - Edit for proper use of commas, dashes, and ellipses • 8.00E+03 - Edit for spelling errors 	LA.8.L.2 (L.8.2) LA.8.L.2 (L.8.2) LA.8.L.2 (L.8.2)

8 ENCE	
Content/Measurement Topic	NAD Standards (NGS)

Organism Needs

- **8.01** -

<p>Evolutionary Relationships</p> <ul style="list-style-type: none"> • 8.ER - Use anatomical similarities between modern organisms and fossils to infer relationships • 8.ER - Use embryological similarities across multiple species to infer relationships • 8.ER - Explain how taxonomic groups and the phylogenetic tree organize organisms 	<p>S.6-8.LS.16 (MS-LS4-1)</p> <p>S.6-8.LS.17 (MS-LS4-2)</p>
<p>Ecosystem Populations</p> <ul style="list-style-type: none"> • 8.EP - Explain patterns of interaction among organisms in an ecosystem • 8.EP - Explain the relationship between resource availability and populations of organisms in an ecosystem • 8.EP - Explain how changes to an ecosystem can affect population • 8.EP - Relate human population and per-capita consumption of natural resources to concepts of competition and carrying capacity 	<p>S.6-8.LS.10 (MS-LS2-2)</p> <p>S.6-8.LS.9 (MS-LS2-1)</p> <p>S.6-8.LS.9 (MS-LS2-1)</p> <p>S.6-8.LS.12 (MS-LS2-4)</p>
<p>Health Promotion and Disease Prevention</p> <ul style="list-style-type: none"> • 8.HS - Construct a model that demonstrates the link between appropriate health care and personal health • 8.H6 - Choose a health-enhancing practice and develop a presentation designed to persuade others to adopt a similar practice 	<p>S.6-8.HS.2</p> <p>S.6-8.HS.6</p>
<p>Healthy Lifestyle Choices</p> <ul style="list-style-type: none"> • 8.H8 - Construct an argument that supports the claim that modifying unhealthy behaviors can enhance personal health • 8.H5 - Collect data from family members to compile evidence that supports the claim that personal health is influenced by the environment and genetics • 8.H5 - Analyze and interpret data that provides evidence to support the claim that traditional Adventist health practices promote optimal health • 8.H9 - Plan and conduct an investigation that provides evidence that peers and perceptions of norms influence the health of adolescents • 8.H8 - Construct a model that demonstrates how public health policies can influence health promotion and disease prevention 	<p>S.6-8.HS.8</p> <p>S.6-8.HS.1</p> <p>S.6-8.HS.11</p> <p>S.6-8.HS.9</p> <p>S.6-8.HS.10</p>

Earth Changes

- 8.E1 - Explain how geological processes change the Earth's surface at varying scales
- 8.E2 - Explain the past movement of tectonic plates

S.6-8.ES.2.E.3.Tc 0.004 3.163T512

<p>Solutions for Engineering Design Problems</p> <ul style="list-style-type: none"> • 8.EDP - Test possible solutions to engineering design problems • 8.EDP - Evaluate possible solutions to engineering design problems • 8.EDP - Revise possible solutions to engineering design problems 	<p>S.6-8.ET.2 (MS-ETS1-2)</p> <p>S.6-8.ET.3 (MS-ETS1-3)</p> <p>S.6-8.ET.4 (MS-ETS1-4)</p>
<p>Defining Engineering Design Problems</p> <ul style="list-style-type: none"> • 8.DEDP - Describe scientific principles that affect the criteria for an engineering design problem • 8.DEDP - Describe potential impacts on people and natural environments that represent constraints for an engineering design problem 	<p>S.6-8.ET.1 (MS-ETS1-1)</p> <p>S.6-8.ET.1 (MS-ETS1-1)</p>

SHI ONE 4

Content/Measurement Topic	NAD Standard (NCS)
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America in the Twenties

- 8.A1 - Explain changes in American culture



