At-a-Glance

Alignment of the Oregon Environmental Literacy Strands & State Standards and Essential Skills

Summary Crosswalk for Grades 3, 5, 8, and High School¹

Environmental Literacy Strand	Third Grade	Fifth Grade	Eighth Grade	High School	
1) Systems Thinking: Students apply systems thinking skills to study various types of systems and issues from a holistic perspective, striving to understand the					
relationships and interactions among the systems' parts. Students use the knowledge gained to consider the implications and consequences of choices on the					
economic, ecological and social systems within which they live, in order to optimize outcomes for all three systems.					
a. Systems Structure.	<u>Science</u>	Science	Science	Science	
Understand the complex structure	3.1 Structure and Function	5.1 Structure and Function:	8.2 Interaction and Change	H.1 Structure and Function	
of systems and how system	3.1P1, 3.1L.1	5.1L.1	8.2P.2, 8.2L.1, 8.2E.1, 8.2.E.2,	H1.E2	
structure determines outcome.			8.2E.3, 8.2E4		
Describe the facets of a system's	3.2 Interaction and Change:	5.2 Interaction and Change:		H.2 Interaction and Change:	
structure, and model changes to	3.2P.1, 3.2L.1, 3.2E.1	5.2L.1	8.4 Engineering Design:	H2P3, H2L1,H.2L.2, H2E1, H2E2,	
that structure.			8.4D.1, 8.4D.2, 8.4D.3	H2E3, H.2E.4	
	3.4 Engineering Design:	5.4 Engineering and Design:			
b. Habits of the Systems	3.4D.1	5.4D.1, 5.4D.2.	Social Science	H.4 Engineering Design : H.4D.1,	
Thinker . Understand, identify			Civic Government	H.4D.2, H.4D.3, H.4D.4	
examples and opportunities, and	Social Science	Social Science	SS.08.CG.06, S.08.CG.07		
apply the Habits of a Systems	Social Science Analysis	Social Science Analysis		Social Science	
Thinker, assisted by knowledge of	SS.03.SA.03, SS.03.SA.04	SS.03.SA.03, SS.03.SA.04	Economics	Civic Government	
systems thinking concepts and	SS.03.SA.05	SS.03.SA.05	SS.08.EC.03, SS.08.EC.06	SS.HS.CG.06	
tools (see Appendix C – Systems					
Thinking).	<u>Health</u>	<u>Health</u>	Geography	Economics	
	HE.03.HE.01, HE.03.HE.02,	HE.05.HE01, HE.05.HE.02	SS.08.GE.05, SS.08.GE.06	SS.HS.EC.01	
c. Strategic responsibilities of	HE.03.HE.03		SS.08.GE.07, SS.08.GE.08		
systems thinking. Apply the		Physical Education		Geography	
Habits of a Systems Thinker and	Physical Education	PE.05.EE.03, PE.05.FL.01	Historical Skills:	SS.HS.GE.06, SS.HS.GE.07	
systems thinking techniques to real	PE.03.FL.01, PE.03.SM.02		SS.08.HS.02	SS.HS.GE.08	
world decision-making.				Historical Skills:	
			Social Science Analysis		
			SS.08.SA.01, SS.08.SA.03	SS.HS.HS.02, SS.HS.HS.03 SS.HS.HS.04	
			SS.08.SA.04, SS.08.SA.05	SS.RS.RS.04	
			Health	Social Science Analysis	
			HE.08.HE.01, HE.08.HE.02	SS.HS.SA.01, SS.HS.SA.04	
			11E.06.HE.01, HE.06.HE.02	SS.HS.SA.05, SS.HS.SA.06	
			Physical Education		
			PE.08.FL.01, PE.08.SM.02		

¹ Note that Mathematical Practices, Educational Technology and Essential Skills are only benchmarked at the 12th grade level.

Environmental Literacy Strand	Third Grade	Fifth Grade	Eighth Grade	High School
				Educational Technology
				Creativity and Innovation ET.1.A, ET.1.B, ET.1.C
				E1.1.A, E1.1.B, E1.1.C
				Communication & Collaboration
				ET.2.A, ET.2.B, ET.2.C, ET.2.D
				Critical Thinking, Problem
				Solving and Decision Making
				ET.4.A, ET.4.B, ET.4.C, ET.4.D
				Technology Operations & Concepts
				ET.6.B
				Health
				HE.HS.EH.01, HE.HS.EH.02, HE.HS.HE.03
				112.113.112.03
				Physical Education
				PE.HS.EE.02, PE.HS.FL.01,
				PE.HS.FL.01, PE.HS.FL.02, PE.HS.SM.02
				Essential Skills
				3. Apply mathematics in a variety of settings
				5. Think critically and analytically
				6. Use technology to learn, live,
				and work
				Mathematical Practices
				1. Make sense of problems and
				persevere in solving them.
				2. Reason abstractly and
				quantitatively.3. Construct viable arguments and
				critique the reasoning of others.
				4. Model with mathematics.
				5. Use appropriate tools
				strategically. 7. Look for and make use of
	<u> </u>			/. LOOK for and make use of

			Eighth Grade	High School
				structure.
				8. Look for and express regularity
				in repeated reasoning.
2) Physical, Living and Human S	Systems: Students understand	Earth quatama' abaracteristics	including physical application	d human systams
2) Filysical, Living and Human S	Systems: Students understand	Earth systems characteristics,	meruding physical, ecological and	d Human Systems.
	Science	<u>Science</u>	Science	<u>Science</u>
	3.1 Structure and Function:	5.1 Structure and Function :	8.2 Interaction and Change:	H.1 Structure and Function:
	3.1P.1, 3.1L.1	5.1L.1, 5.1E.1	8.2P.2, 8.2L.1, 8.2E.1, 8.2E.2	H.1E.2, H.2
Explain the dynamic and			8.2E.3, 8.2E.4	
	3.2 Interaction and Change:	5.2 Interaction and Change:		H.2 Interaction and Change:
physical systems.	3.2P.1, 3.2.L.1, 3.2E.1	5.2L.1, 5.2E.1		H.2P.3, H.2L.1, H.2L.2, H.2E.1
				H.2E.2, H.2E.4
	Social Science	Social Science	Social Science	
	Civics and Government	Civics and Government	Civics and Government	Social Science
	SS.03.CG.01, SS.03.CG.02	SS.05.CG.01, SS.05.CG.02	SS.08.CG.05, SS.08.CG.06	Civics and Government
	SS.03.CG.03, SS.03.CG.04	SS.05.CG.03, SS.05.CG.04		SS.HS.CG.01, SS.HS.CG.02
of Earth's living environment.	_	SS.05.CG.05, SS.05.CG.06	Economics	SS.HS.CG.03, SS.HS.CG.04
	Economics	SS.05.CG.07, SS.05.CG.08	SS.08.EC.01, SS.08.EC.02	SS.HS.CG.05, SS.HS.CG.06
	SS.03.EC.01, SS.03.EC.02		SS.08.EC.03, SS.08.EC.04	SS.HS.CG.07, SS.HS.CG.08
interconnected nature of human		Economics	SS.08.EC.06	
	Geography	SS.05.EC.01, SS.05.EC.02		Economics
	SS.03.GE.01, SS.03.GE.02	SS.05.EC.03, SS.05.EC.04	Geography	SS.HS.EC.01, SS.HS.EC.02
	SS.03.GE.03, SS.03.GE.04	SS.05.EC.05	SS.08.GE.01, SS.08.GE.02	SS.HS.EC.03, SS.HS.EC.04
cultural systems.	SS.03.GE.05		SS.08.GE.03, SS.08.GE.04	SS.HS.EC.05, SS.HS.EC.06
	III da e Cara e I e e I	Geography	SS.08.GE.05, SS.08.GE.06	SS.HS.EC.07
	History - State & Local SS.03.HS.02	SS.05.GE.01, SS.05.GE.02	SS.08.GE.07, SS.08.GE.08	Caaamamhu
	55.05.П5.02	SS.05.GE.03, SS.05.GE.04 SS.05.GE.05, SS.05.GE.06	World History:	Geography SS.HS.GE.01, SS.HS.GE.02
		SS.05.GE.05, SS.05.GE.06 SS.05.GE.07, SS.05.GE.08	SS.08.HS.05	SS.HS.GE.01, SS.HS.GE.02 SS.HS.GE.03, SS.HS.GE.04
		History - U.S. History:	SS.06.HS.03	SS.HS.GE.05, SS.HS.GE.04 SS.HS.GE.05, SS.HS.GE.06
		SS.05.HS.05	U.S. History:	SS.HS.GE.07, SS.HS.GE.08
		33.03.113.03	SS.08.HS.06	55.115.GE.07, 55.115.GE.06
		State & Local History:	33.00.113.00	World History:
		SS.05.HS.06, SS.05.HS.07	State & Local History:	SS.HS.HS.05
		55.05.115.00, 55.05.115.07	SS.08.HS.07	55.115.115.05
			55.00.115.07	U.S. History:
			State & Local History:	SS.HS.HS.06
			SS.08.HS.08	55.115.115.00
				State & Local History:
				SS.HS.HS.07, SS.HS.HS.08
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Environmental Literacy Strand	Third Grade	Fifth Grade	Eighth Grade	High School
				Essential Skills
				7. Demonstrate civic and
				community engagement
				8. Demonstrate global literacy
				·· = ·····,
				Mathematical Practices
				1. Make sense of problems and
				persevere in solving them.
				4. Model with mathematics.
				5. Use appropriate tools
				strategically.
				6. Attend to precision
3.) Interconnectedness of People	e and the Environment: Stud	ents understand the interdenence	lence between the environment ar	<u> </u>
interconnectedness of human wel		ones understand the interdepone	ience between the environment ar	id namans, merading the
a. Sense of place, region, nation,	Science	Science	Science	Science
and global community. Explain	3.1 Structure and Function:	5.1 Structure and Function:	8.2 Interaction and Change:	H.1 Structure and Function:
sense of place as the connection	3.1L.1	5.1E.1	8.2E.2, 8.2E.3, 8.2E.4	H.1E.2
between people and a place and	3.12.1	3.12.1	0.22.2, 0.22.3, 0.22.1	11.12.2
that sense of place encompasses the	3.2 Interaction and Change:	5.2 Interaction and Change:	Social Science	H.2 Interaction and Change:
interrelationships among patterns	3.2L.1, 3.2E.1	5.2L.1, 5.2E.1	Civics and Government	H.2L.2, H.2E.2, H.2E.4
of human settlement, social and	3.22.1, 3.22.1	3.22.1, 3.22.1	SS.08.CG.05, SS.08.CG.07	11.22.2, 11.22.2, 11.22.
cultural relationships, economics,	3.4 Engineering Design:		SS.08.CG.08	Social Science
and the natural world. Analyze the	3.4D.2	Social Science	55.00.00	Civics and Government
characteristics of their community	3.40.2	Civics and Government	Economics	SS.HS.CG.02, SS.HS.CG.07
and region and the	Social Science	SS.05.CG.07	SS.08.EC.01, SS.08.EC.02	55.115.00.02, 55.115.00.07
interconnectedness of regions and	Civics and Government	55.03.CG.07	SS.08.EC.04, SS.08.EC.06	Economics
the global community.	SS.03.CG.02, SS.03.CG.03	Economics	55.00.LC.04, 55.00.LC.00	SS.HS.EC.01, SS.HS.EC.02
the global community.	SS.03.CG.04	SS.05.EC.01, SS.05.EC.02	Geography	SS.HS.EC.03, SS.HS.EC.07
b. Interrelationship between the	bb.03.ed.04	SS.05.EC.03, SS.05.EC.04	SS.08.GE.01, SS.08.GE.02	55.115.20.03, 55.115.20.07
environment and human	Economics	55.05.LC.05, 55.05.LC.04	SS.08.GE.03, SS.08.GE.04	Geography
activities. Analyze how changes in	SS.03.EC.01, SS.03.EC.02	Geography	SS.08.GE.05, SS.08.GE.04 SS.08.GE.05, SS.08.GE.06	SS.HS.GE.03, SS.HS.GE.04
the environment affect human	55.05.LC.01, 55.05.LC.02	SS.05.GE.01, SS.05.GE.02	SS.08.GE.07, SS.08.GE.08	SS.HS.GE.05, SS.HS.GE.04 SS.HS.GE.05, SS.HS.GE.06
systems (e.g., political, social,	Geography	SS.05.GE.01, SS.05.GE.02 SS.05.GE.03, SS.05.GE.04	55.00.GE.07, 55.00.GE.00	SS.HS.GE.03, SS.HS.GE.00 SS.HS.GE.07, SS.HS.GE.08
cultural, economic), how human	SS.03.GE.01, SS.03.GE.02	SS.05.GE.05, SS.05.GE.04 SS.05.GE.05, SS.05.GE.06	Historical Skills:	55.115.01.07, 55.115.01.00
activities and systems change the	SS.03.GE.03, SS.03.GE.04	SS.05.GE.07, SS.05.GE.08	SS.08.HS.04	Essential skills
environment, and the	SS.03.GE.05	55.05.GE.07, 55.05.GE.00	55.00.115.07	3. Apply mathematics in a variety
interrelationship between	55.05.GE.05	U.S. History:	U.S. History:	of settings
environmental quality and human	State & Local History:	SS.05.HS.05	SS.08.HS.06	6. Use technology to learn, live,
health and wellbeing.	SS.03.HS.02	55.05.115.05	55.00.115.00	and work
incardi and wellocing.	55.05.115.02	State & Local History:	State & Local History:	7. Demonstrate civic and
c. Resource distribution and use.		SS.05.HS.06, SS.05.HS.07	SS.08.HS.07, SS.08.HS.08	community engagement
Analyze how resource distribution		55.05.115.00, 55.05.115.07	55.00.115.07, 55.00.115.00	8. Demonstrate global literacy
Analyze now resource distribution				o. Demonstrate grobal meracy

Environmental Literacy Strand	Third Grade	Fifth Grade	Eighth Grade	High School
and use can influence cooperation,				
competition and conflict and shape				Mathematical Practices
political, economic, physical and				1. Make sense of problems and
social environments, including				persevere in solving them.
issues related to national security				4. Model with mathematics.
and conflict over territory.				5. Use appropriate tools
				strategically.
				6. Attend to precision.
4) Personal and Civic Respons	s ibility: Students understand th	ne rights, roles, responsibilities a	and actions associated with leader	
toward healthy, sustainable envir		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	W W W W W W W W W W W W W W W W W W W	and participation that read
a. Rights and responsibilities of	Science	Social Science	Science	Social Science
citizenship. Analyze the rights	3.4 Engineering Design:	Civics and Government	8.4 Engineering Design:	Civics and Government
and responsibilities of citizenship	3.4D.2	SS.05.CG.01, SS.05.CG.02	8.4D.1, 8.4D.3	SS.HS.CG.01, SS.HS.CG.02
and their importance in making		SS.05.CG.03, SS.05.CG.04	·	SS.HS.CG.03, SS.HS.CG.04
choices within both the local and	Social Science	SS.05.CG.05, SS.05.CG.06	Social Science	SS.HS.CG.05, SS.HS.CG.06
global contexts.	Civics and Government	SS.05.CG.07, SS.05.CG.08	Civics and Government	SS.HS.CG.07
	SS.03.CG.02, SS.03.CG.03		SS.08.CG.01, SS.08.CG.02	
b. Sense of personal		Physical Education	SS.08.CG.03, SS.08.CG.04	Essential Skills
responsibility. Identify and	Economics	Self- Management and Social	SS.08.CG.05, SS.08.CG.06	6. Use technology to learn, live,
describe the notion of personal and	SS.03.EC.01	Behavior	SS.08.CG.07, SS.08.CG.08	and work
group responsibility, how the		PE.05.SM.01		7. Demonstrate civic and
effects of actions reach into the	Social Science Analysis		<u>Health</u>	community engagement
future, and the importance of	SS.03.SA.04		Promotion Of Healthy Eating	8. Demonstrate global literacy
fulfilling personal responsibilities.			HE.08.HE.01, HE.08.HE.02	9. Demonstrate personal
Demonstrate a willingness to	Physical Education			management and teamwork skills
participate thoughtfully and	Self- Management and		Physical Education	
effectively in decision-making.	Social Behavior		Self- Management and Social	<u>Health</u>
	PE.03.SM.01, PE.03.SM.02		Behavior	Promotion Of Healthy Eating
			PE.08.SM.01, PE.08.SM.02	HE.HS.HE.01, HE.HS.HE.02
				HE.HS.HE.03
				Promotion of Environmental
				Health
				HE.HS.EH.01, HE.HS.EH.03
				112.115.E11.01, 112.115.E11.03
				Physical Education
				Self- Management and Social
				Behavior
				PE.HS.SM.01, PE.HS.SM.02

5) Investigate, Plan and Create a Sustainable Future: Students apply the civic action skills that are essential to healthy, sustainable environments and					
communities.					
a. Work with flexibility.	Science	Science	Science	Science	

- creativity, openness and **perseverance.** Form and evaluate personal views, engage in informed and respectful deliberation, and use creativity to imagine, invent, or make connections previously unrecognized or unknown.
- b. Evaluate accuracy and reliability of information sources. Evaluate the quality, completeness and reliability of information from primary and secondary sources. Identify sources of bias.
- c. Identify, investigate and analyze strategies that address challenges and create desired **futures.** Investigate a current issue or problem, determine various perspectives on the issue or problem, identify and evaluate alternative solutions and courses of action, and propose solutions or actions.
- d. Demonstrate decision-making and citizen action. Analyze the need for action, plan and implement an action strategy if warranted, evaluate the results of actions, and reach evidence-based conclusions.

- 3.3 Scientific Inquiry: 3.3S.1, 3.3S.2, 3.3S.3
- 3.4 Engineering Design: 3.4D.1, 3.4D.2
- Social Science **Historical Skills** SS.03.HS.01
- **Social Science Analysis** SS.03.SA.01, SS.03.SA.02 SS.03.SA.03, SS.03.SA.04 SS.03.SA.05
- Health HE.03.HE.02, HE.03.HE.03, HE.03.IP.01, HE.03.IP.02
- **Physical Education Self- Management and Social Behavior** PE.03.SM.01, PE.03.SM.02

- 5.4 Engineering and Design: 5.4D.1, 5.4D.2, 5.4D.3
- Social Science **Social Science Analysis** SS.05.SA.01, SS.05.SA.02 SS.05.SA.03, SS.05.SA.04 SS.05.SA.05
- Health HE.05.HE.01 HE.05.HE.02
- **Physical Education** Self- Management and Social Behavior PE.05.SM.01

- **8.3 Scientific Inquiry**: 8.3S.2, 8.3S.3
- 8.4 Engineering Design: 8.4D.1, 8.4D.2, 8.4D.3
- Social Science Geography SS.08.GE.02, SS.08.GE.04
- **Historical Skills:** SS.08.HS.01, SS.08.HS.02 SS.08.HS.03, SS.08.HS.04
- **Social Science Analysis** SS.08.SA.01, SS.08.SA.02 SS.08.SA.03, SS.08.SA.04 SS.08.SA.05
- Health HE.08.HE.01, HE.08.HE.02, HE.08.IP.01, HE.08.IP.02, HE.08.IP.03
- **Physical Education Self- Management and Social Behavior** PE.08.SM.01, PE.08.SM.02

- **H.4 Engineering Design:** H.4D.1 H.4D.2, H.4D.3, H.4D.4
- **Social Science** Geography SS.HS.GE.01, SS.HS.GE.02
- **Historical Skills**: SS.HS.HS.01, SS.HS.HS.02 SS.HS.HS.03, SS.HS.HS.04
- **Social Science Analysis** SS.HS.SA.01, SS.HS.SA.02 SS.HS.SA.03, SS.HS.SA.04 SS.HS.SA.05, SS.HS.SA.06
- **Educational Technology Creativity and Innovation** ET.1.A, ET.1.B, ET.1.C
- Communication & Collaboration ET.2.A, ET.2.B, ET.2.C, ET.2.D **Research & Information Fluency** ET.3.A, ET.3.B, ET.3.C, ET.3.D
- **Critical Thinking, Problem Solving & Decision Making** ET.4.A, ET.4.B, ET.4.C, ET.4.D
- **Digital Citizenship** ET.5.A, ET.5.B, ET.5.C
- **Technology Operations & Concepts** ET.6.A, ET.6.B
- **Essential Skills**
- 3. Apply mathematics in a variety of settings
- 5. Think critically and analytically

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			6. Use technology to learn, live,
			and work
			7. Demonstrate civic and
			community engagement
			8. Demonstrate global literacy
			9. Demonstrate personal
			management and teamwork skills
			Mathematical Practices
			1. Make sense of problems and
			persevere in solving them.
			2. Reason abstractly and
			quantitatively.
			3. Construct viable arguments and
			critique the reasoning of others.
			4. Model with mathematics.
			5. Use appropriate tools
			strategically.
			e ,
			<u>Health</u>
			Health Skills
			HE.HS.HS.01, HE.HS.HS.02
			HE.HS.HS.03, HE.HS.HS.04
			HE.HS.HS.05, HE.HS.HS.06
			HE.HS.HS.07
			Physical Education
			Self- Management & Social
			Behavior
			PE.HS.SM.01, PE.HS.SM.02
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