

Environmental Literacy Standards

ES1	• Environmental Issues	
ES2	• Interactions of Earth Systems	
ES3	• Flow of Matter & Energy	
ES4	• Populations, Communities, Ecosystems	
ES5	• Humans and Natural Resources	
ES6	• Env & Health	
ES7	• Env & Society (inc. technology)	
ES8	• Sustainability	

Aha's:

Take Aways:

Implications:

NGSS Practices

NGSS 1	• Ask questions and define solutions	
NGSS 2	• Develop and use models	
NGSS 3	• Planning and carrying out investigations	
NGSS 4	• Analyzing and interpreting data	
NGSS 5	• Use math and computational thinking	
NGSS 6	• Construct explanation and design solutions	
NGSS 7	• Engage in argument from evidence	
NGSS 8	• Obtaining, evaluating, and communicating information	

Aha's:

Take Aways:

Implications:

MATH Practices

M1	<ul style="list-style-type: none">• Make sense of problems and persevere in solving them	
M2	<ul style="list-style-type: none">• Reason abstractly and quantitatively	
M3	<ul style="list-style-type: none">• Construct viable arguments and critique the reasoning of others	
M4	<ul style="list-style-type: none">• Model with mathematics	
M5	<ul style="list-style-type: none">• Use appropriate tools strategically	
M6	<ul style="list-style-type: none">• Attend to precision	
M7	<ul style="list-style-type: none">• Look for and make use of structure	
M8	<ul style="list-style-type: none">• Look for and express regularity in repeated reasoning	

Aha's:

Take Aways:

Implications:

STEM Practices

S1	<ul style="list-style-type: none">• Learn and apply rigorous science technology engineering and mathematics content	
S2	<ul style="list-style-type: none">• Integrate science, technology engineering and mathematics content	
S3	<ul style="list-style-type: none">• Interpret and communicate information from science, technology engineering and mathematics	
S4	<ul style="list-style-type: none">• Engage in inquiry	
S5	<ul style="list-style-type: none">• Engage in logical reasoning	
S6	<ul style="list-style-type: none">• Collaborate as a STEM team	
S7	<ul style="list-style-type: none">• Apply Technology Strategically	
S8	<ul style="list-style-type: none">• Real-world problem• Transdisciplinary• Career component	

Aha's:

Take Aways:

Implications:

Disciplinary Literacy Capacities of Literate Individuals (CCR)

L1	• Independence	
L2	• Strong content knowledge	
L3	• Critique and comprehend	
L4	• Use technology	
L5	• Value evidence	
L6	• Respond to various demands	
L7	• Understands various perspectives and cultures.	

Aha's

Take Aways:

Implications:

Environmental Literacy Standards	NGSS Practices	MATH Practices	STEM Practices	Disciplinary Literacy Capacities of Literate Individuals (CCR)
E1 Environmental Issues	NG1 Ask questions and define solutions	M1 Make sense of problems and persevere in solving them	S1 Learn and apply rigorous science technology engineering and mathematics content	L1 Independence
E2 Interactions of Earth Systems	NG2 Develop and use models	M2 Reason abstractly and quantitatively	S2 Integrate science, technology engineering and mathematics content	L2 Strong content knowledge
E3 Flow of Matter & Energy	NG3 Planning and carrying out investigations	M3 Construct viable arguments and critique the reasoning of others	S3 Interpret and communicate information from science, technology engineering and mathematics	L3 Critique and comprehend
E4 Populations, Communities, Ecosystems	NG4 Analyzing and interpreting data	M4 Model with mathematics	S4 Engage in inquiry	L4 Use technology
E5 Humans and Natural Resources	NG5 Use math and computational thinking	M5 Use appropriate tools strategically	S5 Engage in logical reasoning	L5 Value evidence
E6 Env & Health	NG6 Construct explanation and design solutions	M6 Attend to precision	S6 Collaborate as a STEM team	L6 Respond to various demands
E7 Env & Society (inc. technology)	NG7 Engage in argument from evidence	M7 Look for and make use of structure	S7 Apply Technology Strategically	L7 Understands various perspectives and cultures.
E8 Sustainability	NG8 Obtaining, evaluating, and communicating information	M8 Look for and express regularity in repeated reasoning	S8 Real-world problem Transdisciplinary Career component	