Virginia Science

Environmental Science

Scientific Skills and Processes ENS.I	**A**	**Students will identify and investigate problems scientifically and will communicate information clearly in writing, discussions, and debates.** ENS.I.A
	B	**The student will demonstrate an understanding of the nature of science and scientific reasoning and logic as it applies to environmental science.** ENS.I.B
	C	**The student will demonstrate an understanding of the use of mathematical reasoning and processes in environmental science.** ENS.I.C
	D	**The student will analyze current environmental issues and apply the process of engineering design in order to propose feasible solutions.** ENS.I.D
The Physical World ENS.II	**A**	**The student will investigate and understand the fundamentals of matter and its interactions.** ENS.II.A
	B	**The student will investigate and understand how matter flows in the fundamental processes of Earth systems.** ENS.II.B
	C	**The students will investigate and understand the major processes and systems that form Earth, including how water, living things, and rock act together to shape landforms.** ENS.II.C
The Living World ENS.III	**A**	**The student will investigate and understand that the Earth is one interconnected system to include the hierarchy and the flow of energy within an ecosystem.** ENS.III.A
	B	**Student will describe stability and change as it relates to both populations and ecosystems.** ENS.III.B
Resources ENS.IV	**A**	**The student will investigate and understand Earth's resources.** ENS.IV.A
	B	**The student will investigate and understand conservation of Earth's resources.** ENS.IV.A
Human impact, global climate change, and civic responsibility ENS.V	**A**	**The student will investigate and understand the human impact on our environment.** ENS.V.A
	B	**The student will investigate and understand pollution and waste management.** ENS.V.B

C **The student will investigate and understand global climate change.** ENS.V.C

D **The student will investigate and understand civic responsibility and environmental policies.** ENS.V.D