

DEFINITION C SCIENCE AND SOCIETY

NOTE: This definition assumes the student is already proficient with the concepts and procedures described in the Washington State Grade Level Expectations for Science through Grades 9/10.

The student applies scientific knowledge and solutions to other disciplines and real life situations.

COMPONENT	EVIDENCE of LEARNING
<p>C.1 Analyze local, regional, national, and global problems or challenges in which scientific designs can be or have been used to develop a solution. [see GLE 3.1.1]</p>	<ul style="list-style-type: none"> • Critically analyze scientific information in current events to make personal choices, or to inform public-policy decisions. • Recognize when more information is needed and demonstrate the skills to acquire such information.
<p>C.2 Recognize that scientific knowledge and technological advances are discovered and developed by individuals and communities in all cultures of the world. [see GLE 3.2.1]</p>	<ul style="list-style-type: none"> • Describe how our modern way of life has been impacted by scientific knowledge and technological advances from a variety of peoples. • Analyze how scientific knowledge and technological advances contribute to changes in societies.
<p>C.3 Analyze how the scientific enterprise and technological advances have had both positive and negative impacts on society and Earth. [see GLE 3.2.2]</p>	<ul style="list-style-type: none"> • Investigate and describe specific examples of the unintended consequences of scientific enterprises on the natural world and society.
<p>C.4 Analyze the effects human activities have on Earth's capacity to sustain biological diversity. [see GLE 3.2.4]</p>	<ul style="list-style-type: none"> • Explain how human activities affect Earth's capacity to sustain biological diversity (e.g. global warming, introduced species, poaching, pollution, habitat destruction, etc.). • Describe and analyze the global impacts created by the predicted exponential growth of human populations and develop possible solutions. • Explain how the use of renewable and nonrenewable natural resources affects the sustainability of an ecosystem.