

### Recycling-Related Topics Applied to Indiana Academic Standards

<b>K-2</b>	<b>SS Code</b>	<b>State Standard</b>
Science	K.3.7	Recommend ways that people can improve their environment at home, in school, and in the neighborhood.
Science	K-2.E.1	Pose questions, make observations, and obtain information about a situation people want to change. Use this data to define a simple problem that can be solved through the construction of a new or improved object or tool.
Science	1.ESS.4:	Develop solutions that could be implemented to reduce the impact of humans on the land, water, air, and/or other living things in the local environment.
Social Studies	K.2.1	Give examples of people who are community helpers and leaders and describe how they help us.
Social Studies	1.2.3	Describe ways that individual actions can contribute to the common good of the classroom or community.
Social Studies	2.2.5	Identify people who are good citizens and describe the character traits that make them admirable
<b>3rd-5th</b>	<b>SS Code</b>	<b>State Standard</b>
Science	4.ESS.4	Develop solutions that could be implemented to reduce the impact of humans on the natural environment and the natural environment on humans.
Science	5.ESS.3	Investigate ways individual communities within the United States protect the Earth's resources and environment.
Social Studies	3.3.13	Identify people who are good citizens and describe the character traits that make them admirable
Social Studies	5.2.10	Use a variety of information resources* to identify and evaluate contemporary issues that involve civic responsibility, individual rights and the common good.
<b>6th-8th</b>	<b>SS Code</b>	<b>State Standard</b>
Science	6-8.E.1	Identify the criteria and constraints of a design to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
Science	7.ESS.6	Research common synthetic materials (i.e. plastics, composites, polyester, and alloys) to gain an understanding that synthetic materials do come from natural resources and have an impact on society
Science	7.ESS.7	Describe the positive and negative environmental impacts of obtaining and utilizing various renewable and nonrenewable energy resources in Indiana. Determine which energy resources are the most beneficial and efficient.
Science	8.ESS.3	Research how human consumption of finite natural resources (i.e. coal, oil, natural gas, and clean water) and human activities have had an impact on the environment (i.e. causes of air, water, soil, light, and noise pollution).
Social Studies	6.3.13	Explain the impact of humans on the physical environment in Europe and the Americas.

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<b>9th-12th</b>	<b>SS Code</b>	<b>State Standard</b>
Biology	B.3.2	Design, evaluate, and refine a model which shows how human activities and natural phenomena can change the flow of matter and energy in an ecosystem and how those changes impact the environment and biodiversity of populations in ecosystems of different scales, as well as, how these human impacts can be reduced.
Environmental Science	Env.2.7	Differentiate between renewable and nonrenewable resources, and compare and contrast the pros and cons of using nonrenewable resources
Environmental Science	Env.2.9	Describe how decisions to slow the depletion of energy sources through efficient technologies can be made at many levels, from personal to national, and these technologies involve trade-offs of economic costs and social values.