SCIENCE AND TECHNOLOGY – Understanding Life Systems			
<b>Grade 1</b> 1. assess the role of humans in maintaining a healthy environment.	In science, <i>[Name]</i> discusses the ways in which animals and humans live together on Earth. During <i>[specific task, such as a nature walk in the yard], [Name]</i> witnessed how people impact animals' homes.		
<b>Grade 2</b> 1. assess ways in which animals have an impact on society and the environment, and ways in which humans have an impact upon animals and the places where they live.			
<b>Grade 3</b> 1. assess ways in which plants have an impact on society and the environment, and ways in which human activity has an impact on plants and plant habitats.			
<b>Grade 4</b> 1. analyse the effects of human activities on habitats and communities.			
<b>Grade 5</b> 1. analyse the impact of human activities and technological innovations on human health.			
<b>Grade 6</b> 1. assess human impacts on biodiversity, and identify ways of preserving biodiversity.			
<b>Grade 7</b> 1. assess the impacts of human activities and technologies on the environment, and evaluate ways of controlling these impacts.	[Name] investigated the impact that human activity has on the issue of [specific issue, such as the widening of highways, or recycling]. [He/she] presented [his/her] findings through a [specific evidence, such as written report, podcast, pamphlet].	[Name] would benefit from the use of a graphic organizer when conducting research. This will help [him/her] organize [his/her] ideas and information, and draw more relevant conclusions about a topic.	
Grade 8	[Name] investigated the impact of cell biology on individuals, society, and the environment,		

1. assess the impact of cell biology on individuals, society, and the environment.	focusing on [specific issue, such as the use of the electron microscope, the use of dyes]. [He/she] presented [his/her] findings through a [specific evidence, such as written report, podcast, pamphlet].	
<b>Grade 1</b> 2. investigate needs and characteristics of plants and animals, including humans.	[Name] understands the basic elements that plants and animals need to survive (i.e., food, water, shelter, etc.).	<i>[Name]</i> continues to learn about what animals and plants need to survive. Further discussion or time spent in nature will help <i>[Name]</i> better understand these needs.
<ul><li>Grade 2</li><li>2. investigate similarities and differences in the characteristics of various animals.</li></ul>		
<b>Grade 3</b> 2. investigate similarities and differences in the characteristics of various plants, and ways in which the characteristics of plants relate to the environment in which they grow.	[Name] is able to discuss why certain plants grow in certain environments. This was demonstrated during [specific task, such as his/her report on a cactus plant].	
<b>Grade 4</b> 2. investigate the interdependence of plants and animals within specific habitats and communities.		
<b>Grade 5</b> 2. investigate the structure and function of the major organs of various human body systems.		
<b>Grade 6</b> 2. investigate the characteristics of living things, and classify diverse organisms according to specific characteristics.		
<b>Grade 7</b> 2. investigate interactions within the environment, and identify factors that affect the balance between different components of an ecosystem.		
<b>Grade 8</b> 2. investigate functions and processes of plant and animal cells.		

<b>Grade 1</b> 3. demonstrate an understanding of the basic needs and characteristics of plants and animals, including humans.	<i>[Name]</i> understands that animals grow and change and are built or adapted to suit their environment (e.g., polar bears have thick fur).	
<b>Grade 2</b> 3. demonstrate an understanding that animals grow and change and have distinct characteristics.	[Name] understands what plants need to survive. This was demonstrated during [specific task, such as our class project of growing bean plants].	
<b>Grade 3</b> 3. demonstrate an understanding that plants grow and change and have distinct characteristics.		
<b>Grade 4</b> 3. demonstrate an understanding of habitats and communities and the relationships among the plants and animals that live in them.		
<ul><li>Grade 5</li><li>3. demonstrate an understanding of the structure and function of human body systems and interactions within and between systems.</li></ul>		
<b>Grade 6</b> 3. demonstrate an understanding of biodiversity, its contributions to the stability of natural systems, and its benefits to humans.		
<b>Grade 7</b> 3. demonstrate an understanding of interactions between and among biotic and abiotic elements in the environment.	[Name] [specific evidence, such as made a model of an aquatic ecosystem]. [He/she] identified the biotic and abiotic components of [his/her] ecosystem and the interactions between these.	[Name] had difficulty distinguishing between biotic and abiotic components. Regular review of class notes and participation in class discussions will help reinforce concepts for [Name].
<b>Grade 8</b> 3. demonstrate an understanding of the basic structure and function of plant and animal cells and cell processes.	[Name] [specific evidence, such as made a model of an animal cell]. [He/she] identified the structures of [his/her] cell and the function of those structures. [He/she] described the differences and similarities between this cell and other types of cells.	[Name] had difficulty recalling the function of the structures of plant and animal cells. Regular review of class notes and participation in class discussions will help reinforce concepts for [Name].