

## Year 5:

## The Brain

### The Brain, Learning and Wellness

Learning about the brain and the learning process as students study the psychology of self-acceptance, valuing others, and tolerating differences; exploring advances in medical research and students designing a framework for personal healthy living within the community.

### Caravans Geography Simulation

Student teams learning cultures, surface features of the earth, and strategy as they overcome obstacles in their search for lost treasures.

### Literature Classics for Children

An introduction, from the students' point of interest, to readings, discussions, drama, and writing centered around some of the richest literature of the ages.

### Mathematical Logic

Infused in study units throughout the year including many logic puzzles and possible simulations. The analytical focus to be infused into all three units for the year.

	The Brain	"The World As I See It" Albert Einstein	
<b>Weekly Lessons</b>			Theme of the Day
<b>Week 1</b>			Introduction to The Brain
	Questions:	How does the human brain differ from the human mind?	
		What are the functions of the human brain?	
		The Brainstem	The Spinal Cord
		The Cerebrum	The Limbic System
		Introduction to Neuroscience	
		Brain Function	Brain Imaging
			Thought, Emotion & Behavior
<b>Week 2</b>		The Nervous System	
	Question:	How does the brain function?	
		Neurons	Dendrites
		Synapse	Neurotransmitters
			Axon
			Receptors
<b>Week 3</b>		Learning and Memory	
	Question:	How do humans learning and memorize?	
		Patterning for Success	
		Styles of Thinking and Learning Quiz	
		Learning Style test	
		<a href="http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/learn_styles.html">http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/learn_styles.html</a>	
<b>Week 4</b>		The Five Senses Plus One	
	Question:	Why does the loss of one sense lead to extrasensory perception in another sense?	
		Sensory Signals	Loss of a Sense
		Explorations Into Loss of Certain Important Senses	
<b>Week 5</b>		Left and Right Brain	
	Question:	Can a human being be both 'left and right brain'?	
		Learning Abilities and Disabilities	Ambidexterity
<b>Week 6</b>		Food for the Brain	
	Question:	What foods are most important for the human brain to function for success?	
		The Food Pyramid	Experiments with Food

<b>Week 7</b>	<p>The Multiple Intelligences: Do You Know Your Intelligence?</p> <p>Question: How do innate intelligences affect the way a student learns and communicates learned material?</p> <p>Study and Practical Activities on each Intelligence</p> <p>What are your Innate Intelligences? Quiz</p> <p>Multiple Intelligence Test Online:  <a href="http://adifferentplace.org/wq_resource.htm#Multiple_Intelligence_Test">http://adifferentplace.org/wq_resource.htm#Multiple_Intelligence_Test</a></p>
<b>Week 8</b>	<p>So, You're Gifted... Now What?</p> <p>Questions: What is it to be a gifted person?</p> <p>Where does Giftedness fit in with a study of the Brain?  <a href="http://adifferentplace.org/wq_intro.htm">http://adifferentplace.org/wq_intro.htm</a>  <a href="http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/resources.html#X">http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/resources.html#X</a></p>
<b>Week 9</b>	<p>Psychology and Personality</p> <p>Question: Can a person's personality lead to job market success?</p> <p>How can stress affect decision making?</p> <p>The True Colors Test:  <a href="http://www.truecolorscareer.com/quiz.asp">http://www.truecolorscareer.com/quiz.asp</a></p> <p>Making Decisions</p> <p>Myers-Briggs Personality Test  <a href="http://www.oswego.edu/plsi/">http://www.oswego.edu/plsi/</a></p> <p>Draw a "Myers" Pig  <a href="http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/myers_pig.html">http://www.ldcsb.on.ca/schools/cfe/WebQuests/gifted/myers_pig.html</a></p> <p>Decisions! Decisions!  <a href="http://drb.lifestreamcenter.net/Lessons/decisions/index.htm">http://drb.lifestreamcenter.net/Lessons/decisions/index.htm</a></p> <p>Odyssey Quest  <a href="http://drb.lifestreamcenter.net/Lessons/odyssey/index.htm">http://drb.lifestreamcenter.net/Lessons/odyssey/index.htm</a></p> <p>Peace Quest  <a href="http://drb.lifestreamcenter.net/Lessons/PeaceQuest/index.htm">http://drb.lifestreamcenter.net/Lessons/PeaceQuest/index.htm</a></p>
<b>Week 10</b>	<p>Freedom to Express Yourself Day</p> <p>Art Pad  <a href="http://artpad.art.com/artpad/painter/">http://artpad.art.com/artpad/painter/</a></p> <p>Making Beliefs Comics  <a href="http://www.makebeliefscomix.com/">http://www.makebeliefscomix.com/</a></p> <p>Cartoonster  <a href="http://www.cartoonster.com/">http://www.cartoonster.com/</a></p>
	<p><b>Resources</b> Safire, W. (2006). Mind Bogglers. New York, NY: The Dana Foundation.  ISBN: 1-932594-19-1</p>