

Science - Grade 6 - 26-30 Weeks

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NYS Performance Indicators	Objectives	Text Resources	Resources (Suggested Activities)	Cross-Curriculum Connections	Assessment Items
	<p>Essential Question / Focus 5.2a – 5.2d:</p> <p>1. How do organisms acquire energy?</p> <p>2. Why is energy essential for an organism to carry on life processes?</p>		<p>Investigating Disease and Prevention (WEB)</p>		
<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining</p>	<p>5.2a Food provides molecules that serve as fuel and building material for all organisms. All living things,</p>	<p>Chapter 2: Nutrition and Digestion p. 36</p>	<p>Wellness Journal</p> <p>Nutrition Explorations (WEB)</p> <p>- Healthy Diet Game (WEB)</p>	<p>ELA - journal writing</p> <p>ELA - narrative account writing</p>	<p>6</p>

<p>MST4.1. health and LE5B promoting growth, and explain the need for a constant input of energy for living organisms.</p>	<p>including plants, must release energy from their food, using it to carry on their life processes.</p>				
<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining MST4.1. health and LE5B promoting growth, and explain the need for a constant input of energy for living organisms.</p>	<p>5.2b Foods contain a variety of substances, which include carbohydrates, fats, vitamins, proteins, minerals, and water. Each substance is vital to the survival of the organism.</p>	<p>Chapter 2: Nutrition and Digestion pp. 37-43</p>	<p>Food Diary Exercise Diary</p>	<p>Dietitian to come and discuss a balanced diet – compare with own meals and chart</p>	<p>3, 31, 32</p>

<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining health and promoting growth, and explain the need for a constant input of energy for living organisms.</p> <p>MST4.1. LE5B</p>	<p>5.2c Metabolism is the sum of all chemical reactions in an organism. Metabolism can be influenced by hormones, exercise, diet, and aging.</p>	<p>Chapter 2: Nutrition and Digestion pp. 36–46</p> <p>Reviewing Main Ideas p. 57 Section 1: Nutrition</p>	<p>http://www.studyzone.org/</p>		<p>4</p>
<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining health and promoting growth, and explain the need for a constant input of energy for living organisms.</p> <p>MST4.1. LE5B</p>	<p>5.2d Energy in foods is measured in Calories. The total caloric value of each type of food varies. The number of Calories a person requires varies from person to person.</p>	<p>Chapter 2: Nutrition and Digestion pp. 44-45</p>	<p>Word Wall www.nutrition.gov</p> <p>Lab: Comparing the Fat Content in Foods p. 39</p>	<p><i>Math</i> – calculating, reading graphs and tables</p>	<p>1, 8</p>

organisms.					
	<p>Essential Question / Focus 5.2e and 5.2f:</p> <p>1. What is relationship between nutrition and disease?</p> <p>2. What is the relationship between Homeostasis (dynamic equilibrium) and disease?</p>				
<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining health and promoting growth, and explain the need for a constant</p> <p>MST4.1. LE5B</p>	<p>5.2e In order to maintain a balanced state, all organisms have a minimum daily intake of each type of nutrient based on species, size, age, sex, activity, etc. An imbalance in any of the nutrients might</p>	<p>Chapter 2: Nutrition and Digestion p. 56</p>	<p>www.mypyramid.gov</p> <p>Activity: Vitamin Needs p. 41</p>		<p>9, 10, 11</p>

input of energy for living organisms.	result in weight gain, weight loss, or a diseased state.				
<p>Students describe the importance of major nutrients, vitamins, and minerals in maintaining health and promoting growth, and explain the need for a constant input of energy for living organisms.</p> <p>MST4.1. LE5B</p>	<p>5.2f Contraction of infectious disease, and personal behaviors such as use of toxic substances and some dietary habits, may interfere with one's dynamic equilibrium.</p> <p>During pregnancy these conditions may also affect the development of the child. Some effects of these conditions are immediate; others may not appear for many years.</p>	<p>Chapter 7: Immunity and Disease pp. 181-188</p>	<p>www.kidshealth.org</p> <p>Lab: Microorganisms and Disease p. 189</p>		<p>2, 5, 7</p>
					<p>Gr. 6 Report Card Objectives.pdf</p>

Last updated: 12/3/2010

Nutrition

Nutrition	Molecule
Nutrient	Carbohydrates
Disease	Fats
Infectious Disease	Dietary Habit
Homeostasis	Vitamins
Microorganism	Proteins
Nutritional Deficiency	Minerals
Metabolism	Hormone
Calorie – Caloric Value	Exercise
Life Activities	Diet
Life Processes	Balanced Diet
Maintenance	Dynamic Equilibrium
Food Choice	Toxic Substance
Food Group	Scurvy
Food Guide Pyramid	