

Project WET Correlations to the Sixth Grade Science Core Curriculum

WATER ADDRESS – Pg 122

Standard V Objective 1 a, b

MACROINVERTEBRATE MAYHEM – Pg 322

Standard V Objective 1 b

LIFE IN THE FAST LANE – Pg 79

Standard V Objective 1 c

THE LIFE BOX – Pg 76

Standard V Objective 1 c

POISON PUMP – Pg 93

Standard V Objective 2 a, b, c

Standard V Objective 3 d

PEOPLE OF THE BOG – Pg 89

Standard V Objective 3 a

NO BELLYACHERS – Pg 85

Standard V Objective 3 d, e

SUPER SLEUTHS – Pg 107

Standard V Objective 3 d, e

THE RAINSTICK – Pg 442

Standard VI Objective 3 c, d

No correlations for Standards 1- 4.

<p>Standard V: Students will understand that microorganisms range from simple to complex, are found almost everywhere, and are both helpful and harmful.</p>	<p>Objective 1: Observe and summarize information about microorganisms.</p>	a. Examine and illustrate size, shape, and structure of organisms found in an environment such as pond water.	Water Address – Pg 122 (indirect)
		b. Compare characteristics common in observed organisms and infer their function.	Macroinvertebrate Mayhem- Pg 322 Water Address – Pg 122
		c. Research and report on a microorganism’s requirements.	Life in the Fast Lane – Pg 79 The Life Box – Pg 76
	<p>Objective 2: Demonstrate the skills needed to plan and conduct an experiment to determine a microorganism’s requirements in a specific environment.</p>	a. Formulate a question about microorganisms that can be answered with a student experiment.	Poison Pump – Pg 93
		b. Develop a hypothesis for a question about microorganisms based on observations and prior knowledge.	Poison Pump – Pg 93
		c. Plan and carry out an investigation on microorganisms.	Poison Pump – Pg 93
		d. Display results in an appropriate format.	
		e. Prepare a written summary or conclusion to describe the results in terms of the hypothesis for the investigation on microorganisms	
	<p>Objective 3: Identify positive and negative effects of microorganisms and how science has developed positive uses for some microorganisms and overcome the negative effects of others.</p>	a. Describe in writing how microorganisms serve as decomposers in the environment.	People of the Bog – Pg 89
		b. Identify how microorganisms are used as food or in the production of food.	
		c. Identify helpful uses of microorganisms and the role of science in the development of understanding that led to positive uses.	
		d. Relate several diseases caused by microorganisms to the organisms causing the disease.	No Bellyachers – Pg 85 Super Sleuths – Pg 107 Poison Pump – Pg 93
e. Observe and report on microorganisms harmful effects on humans		Super Sleuths – Pg 107 No Bellyachers – Pg 85	

<p>Standard VI: Students will understand properties of heat, light, and sound.</p>	<p>Objective 1: Investigate the movement of heat between objects by conduction, convection, and radiation.</p>	a. Compare materials that conduct heat to materials that insulate the transfer of heat energy.	
		b. Describe the movement of heat from warmer objects to cooler objects by conduction and convection.	
		c. Describe the movement of heat across space from the sun to Earth by radiation.	
		d. Observe and describe, with the use of models, heat energy being transferred through a fluid medium by convection currents.	
		e. Design and conduct an investigation on the movement of heat energy.	
	<p>Objective 2: Describe how light can be produced, reflected, refracted, and separated into visible light of various colors.</p>	a. Compare light from various sources.	
		b. Compare the reflection of light from various surfaces.	
		c. Investigate and describe the refraction of light passing through various materials.	
		d. Predict and test the behavior of light interacting with various materials.	
		e. Predict and test the appearance of various materials when light of different colors is shone on the material.	
	<p>Objective 3: Describe the production of sound in terms of vibration of objects that create vibrations in other materials.</p>	a. Describe how sound is made from vibration and moves in all directions from the source in waves.	
		b. Explain the relationship of the size and shape of a vibrating object to the pitch of the sound produced.	
		c. Relate the volume of a sound to the amount of energy used to create the vibration of the object producing sound.	The Rainstick – Pg 442
		d. make a musical instrument and report on how it produces sound.	The Rainstick – Pg 442

