

Grade 3 Benchmarks

Activity	Language Arts	Mathematics	Science	Social Studies
Insects and Diseases				
1. <i>Insect Predictions and Survey</i> - To predict insect characteristics and learn what all insects have in common.	1, 2, 3, 18, 22	20, 21, 41, 42	7	
2. <i>Insect Symmetry</i> - To learn and understand the concept of symmetry.	1, 2	13, 14, 20, 21, 47	7	
3. <i>The Great Cover-Up!</i> - To learn and understand the concept of camouflage.	1, 2		1	
4. <i>Designer Bugs</i> - To reinforce concepts learned about insects so far: their characteristics and the concepts of symmetry and camouflage.	1, 2, 5, 7, 13, 17, 18, 22	32, 33, 36	1, 7	
5. <i>Insect Riddles</i> - To reinforce basic concepts learned about insects so far, and to experiment with creative writing concepts by creating riddles.	4, 8, 12, 13, 18, 19, 22			
6. <i>Secret Smells Game</i> - To discover how insects communicate using pheromones.	1, 2			
1. <i>All in the Family: Insect Flash Cards</i> - To learn that insects are organized in groups based on their	1, 2, 14, 17, 18, 20		1	1, 2
2. <i>Ordering Insects</i> - To learn to sort insects based on similarities and differences, and make a basic insect key.	1, 2	53, 60	1, 7	
3. <i>Metamorphosis Bracelets and Belts</i> - To learn the stages of metamorphosis.	1, 2			
4. <i>Morpho Puppets</i> - To learn the stages of complete metamorphosis, and teach them to a younger group.	1, 2			
5. <i>JMG Web Activity: Journey North</i> - To gain familiarity with the Internet as a research tool.	1, 2, 12, 13, 15, 17, 18, 19			3
1. <i>Suck-A-Bug</i> - To make a simple aspirator and use it to collect and observe small insects.				
2. <i>It's a Small World</i> - To create Berlese (Bur-lay-z) funnel and use it to collect and observe insects living in the ground and soil.	1, 2	20, 21, 27, 28, 53, 60	1, 7	3
3. <i>Classroom Netting</i> - To make an insect net and use it to collect samples of insects by sweeping.		20, 21, 53, 60	7	
4. <i>By Land or By Sea</i> - To compare and contrast the types of insects living in different habitats.	1, 2	20, 21, 53, 60	1, 7	1, 2, 3
5. <i>Classroom Ant Lion Farm</i> - To make a living collection of one type of insect and observe it closely as it builds its home.	1, 2, 5, 7, 12, 13, 15, 17, 18, 22	53, 60	1, 4	1, 2, 3
1. <i>Chew on This!</i> - To learn the four types of insect mouthparts and how they are specialized.			1, 2, 5	
2. <i>Classroom Survey</i> - To survey the schoolyard for signs of insect damage and to determine the types of	1, 2, 15, 18	20, 21, 53, 56, 57, 60	1	3
3. <i>Pollinator Puppet Show</i> - To learn the basic process of insect pollination.	1, 2		1, 2	
insects trade services, and to become familiar with the concept of energy exchange.		41, 42	1, 2	

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5. <i>The Lone Bee</i> - To learn about solitary bees and create a bee home for them.			1, 7	
6. <i>Designer Plants and Insects</i> - To combine previously learned concepts in creating insects and plants that are designed to work together.	1, 2		1, 7	
1. <i>Garden Friends and Foes</i> - To learn the difference between beneficial and pest insects, and to learn a few examples of each type.	1, 2, 15		1	
2. <i>Don't Bug Me!</i> - To identify pest insects of various organisms, and to discover the interrelatedness of all living organisms.	1, 2, 15, 18		1	
3. <i>Who Goes There?</i> - To learn the basics of Integrated Pest Management (IPM), and to create a classroom IPM charting system.	1, 2, 15, 18		1	1, 2, 3
4. <i>Buyer Beware</i> - To compare and contrast factual versus persuasive writing, and to gain practice reading labels.				
5. <i>Critter Creations</i> - To learn the four types of beneficial insects and why they are considered beneficial.	1, 2, 5, 7, 12, 13, 15, 18, 22			
1. <i>Exploratory Fungi</i> - To observe the variety of fungal spores present in the air.	1, 2, 5, 7, 12, 13, 15, 18, 22	53, 60	1, 2	
2. <i>Yeast Bread</i> - To learn how one fungus - yeast - is used in cooking and what purpose it serves.	1, 2	27, 30, 31	1, 2, 5, 7	
3. <i>Lacy Leaves</i> - To observe organic matter (decaying leaves) being decomposed by fungi.	1, 2		1, 2, 5	3
4. <i>Likin' those Lichens</i> - To learn what a lichen is and what a mutually beneficial relationship is.	1, 2, 5, 7, 12, 13, 15, 18, 22		1, 2, 5	1, 3
5. <i>Prescription for Prevention</i> - To learn the components of the disease triangle and the concept of IPM.	1, 2, 18		1, 2	1, 3
6. <i>There's a Fungus Among Us!</i> - To observe and identify fungi that act as pests in the garden.	1, 2, 15, 18		1, 2	1, 2, 3