

Festival FEATURES, TOPICS, and SOLs

Grades 3-5

FEATURE TITLE	TOPICS										Science SOLs & Other Notes	
	Agriculture	Adaptations/Anatomy	Careers	Classification/ID	Conservation/Protection	Food Web/Diet	Habitats/Ecosystems	Insect Products (Natural Resources)	Interdependence	Life Cycles		Pest/Beneficial Insects
EXHIBIT INFO & PHOTO GALLERIES												
Close Encounters With Pollinators (SWVA pollinators)				✓							✓	
The Poop on Bug Poop! (use w/ Bug Poop Matching Game)				✓								3.1ab, 4.1a
Wonderful & Fascinating Insects	Links to insect-related videos, activities, publications, art, and career information.											
FUN FACTS & PUBLICATIONS												
Pollinator Garden Resources (for individuals and schools)				✓			✓		✓		✓	3.6bcd, 3.10, 4.5, 4.9a
Adventures With Insects (includes Insect Collection activity)		✓		✓						✓		3.4b, 3.6ab, 3.8b, 4.5abd, 4.9b, 5.5bc
Winnie the Pooh Booklet (short story w/ 10 activities)					✓	✓	✓	✓	✓		✓	3.4, 3.6cd, 4.4, 4.5, 5.5bc
What's Growing On in Virginia? (includes 2 activities)	✓	✓					✓	✓			✓	3.4ab, 3.8bc, 3.10a, 4.4, 4.5, 5.5
Honey Bees (PowerPoint)		✓								✓	✓	3.4b; 4.5, 5.5bc
10 Amazing Bee Facts		✓						✓		✓	✓	3.4b; 4.5, 4.9a, 5.5bc
What About Bug Poop?		✓				✓			✓		✓	3.4, 3.5, 4.5, 5.5
VIDEOS												
All About Bugs and Good Bugs		✓						✓			✓	3.4ab, 3.5abc, 3.6abc, 4.5, 5.5bc
Bad and Big Insects		✓				✓	✓		✓		✓	3.4ab, 3.5abc, 3.6ab; 4.5abcd, 5.5bc, 5.7c
What Can an Entomologist Do?			✓								✓	Jobs in entomology
Bed Bug Feeding and Digestion		✓									✓	3.4b, 4.5a, 5.5c
Bees and Beekeeping		✓	✓	✓				✓		✓	✓	3.4, 3.6cd, 4.4, 4.5, 5.5bc
Bees Processing Honey			✓					✓			✓	4.9
The Buzz on Bees (includes Pollination Pizzazz activity)	✓	✓		✓			✓	✓		✓	✓	3.8, 3.10a, 4.4, 5.5bc
2 Pandapas Pond Visits: Secret Garden & Pollinator Garden					✓		✓		✓		✓	3.6b, 3.8bc, 3.10ad, 4.4, 4.5, 5.5
Bugs and Wildlife: Part 1 & 2		✓	✓			✓	✓		✓			3.4, 3.5, 3.10, 4.5, 4.9a, 5.5

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Ferocious Hellgrammites!		✓				✓	✓			✓		3.4ab, 3.5, 3.6ac, 3.8b, 4.5, 4.9a, 5.5ab
Milkweed Bugs		✓		✓		✓	✓		✓	✓		3.1ab, 3.4ab, 3.8b, 3.10, 4.1ab, 4.5acd, 4.9a, 5.5ab
Ant Lions		✓				✓	✓					3.4ab, 3.5, 4.5acd, 4.9a, 5.5ab
Mabel – The Bug That Poops Candy (plant physics/chemistry)		✓				✓			✓			3.4ab, 3.5, 3.8b, 3.10a, 4.4, 4.5abc, 5.5ab
How Do Insects Poop?		✓				✓			✓			3.4ab, 3.5, 4.5ab, 5.5b
Tour the Hokie BugZoo (8 videos 3-4 min. each)		✓	✓	✓		✓	✓			✓		3.1b, 3.4ab, 3.5, 3.8b, 3.10a, 4.1ab, 4.5abcd, 5.5ab
Blatteria 1000 Cockroach Race				✓								<i>Just for fun!</i>
12 Bug Words in Sign Language												<i>Language</i>
ACTIVITIES												
Build an Insect Collection (individual or as a class)		✓		✓						✓		3.1abl, 3.4b, 3.6ab, 3.8b, 4.1abl, 4.5, 4.9b, 5.1aj, 5.5
Invent an Insect		✓					✓					3.4b, 3.6ab, 4.5ad, 5.5bc
Interesting Insects		✓		✓								3.4b, 4.5ad, 4.9d, 5.5bc
Pollination Activity Collection (4 activities)	✓					✓		✓	✓	✓	✓	3.8, 3.10a, 4.4
The Honey Dance		✓									✓	3.4a, 4.5, 5.5bc
Anatomy of a Worker Bee Research Different Bees (use w/ Honey Bees PowerPoint)		✓		✓							✓	3.4b, 4.5, 5.5bc
The Buzz! Game	<i>Games, lesson plans, etc. that cover multiple topics and SOLs (including math and English)</i>											
Busy Bees & Hexagon Hives (from "What's Growing On in Virginia?" fun facts publication)	✓	✓					✓	✓			✓	4.4
Pollination Pizazz (from The Buzz on Bees video)	✓					✓		✓	✓		✓	3.8, 3.10a, 4.4, 5.5bc
Tick activities: Word Search & Coloring Page				✓							✓	
Mosquito Coloring Page				✓								<i>Art</i>
Flower Parts Activity/Design Your Own Flower		✓							✓			3.4a, 3.10a, 4.4, 4.5a, 5.5ab
Anatomy of a Bee and Butterfly		✓		✓					✓		✓	3.4a, 3.10a, 4.5a, 5.5ab
Pollinator Matching Game		✓		✓							✓	3.1ab, 3.4a, 4.1a, 4.5a, 4.9a, 5.5ab
Preserve a Flower and ID Card				✓			✓					3.6b, 4.4, 4.5d, 5.5a

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Scavenger Hunt at Pandapas Pond				✓			✓					3.1ab, 3.6b, 4.1ab, 4.5d, 5.5a
3D Insects <i>(can be found under "Video" tab)</i>		✓										<i>High def images you can rotate and zoom</i>
Backyard Scavenger Hunt <i>(Win a prize!)</i>				✓			✓					3.1ab, 3.6b, 4.1ab, 4.5d, 5.5a
Insect Hotel for Pollinators					✓		✓				✓	3.10d, 4.5d <i>Can use rolled paper too</i>
Recycled Magazine Butterflies											✓	Art
Bee Day Cake Pops <i>(recipe)</i>											✓	Cooking
Bug Poop Matching Game <i>(use w/ Bug Poop Photo Gallery)</i>				✓								3.1ab, 4.1a
Stream Field Trip Activity				✓	✓		✓					3.1ab, 3.6ad, 3.10, 4.1ab, 4.5d, 4.9
Painting Ladybugs w/ Maria <i>(9 min. instructional video)</i>		✓					✓					3.4a, 4.5ad, 4.9a, 5.5a
Cooking Mud Worms w/ Terrell <i>(8:50 min. instructional video)</i>		✓					✓		✓			3.4a, 3.5, 4.5abd, 5.5ab Cooking