

HoneyBees

Lesson Plan



Katherine Nordstrom					Grades:4		Date: 28Jan19	
Unit/Topic/Lessons:Honeybees								
Objectives			Correlation to State & National Documents					
Student will be able to: Learn through experience about the waggle dance. Learn about honey bee anatomy			<u>Alabama Course of Study: Science</u> Grade 4 From Molecules to Organisms:11 <u>AHSGE/Exit</u> Standards & Eligible Content:				<u>National Science Standards:</u> 3-5 Life Science: Behavior of organisms Assessment: Written Reflection	
COS Content Standard			Materials/Resources			Assessment		
11. Investigate different ways animals receive information through the senses, process that information, and respond to it in different ways (e.g., skunks lifting tails and spraying an odor when threatened, dogs moving ears when reacting to sound, snakes coiling or striking when sensing vibrations).			x	Hands-On Materials			Homework	
				Multimedia Materials			Test/Quiz	
				Computers/notebooks/PDA			Project	
				Web sites		x	Participation	
				Software		x	Class work	
				Overhead Masters			Presentation	
			x	Workbook/Handouts		x	Oral Responses	
			x	Other Equipment/Supplies		x	Teacher Observation	
				Guest Speakers		x	Self Evaluation	
				Maps		x	Group Evaluation	
				Lab equipment			Portfolio	
				Text:			Other (Journal Entry)	
Equipment needed			Instructions			Grouping Strategies (small group, pairs)		
Have packets of honey (one per student), printed honey bee labeling worksheet, and pens, pencils, or markers to labeling.			Label the Honey Bee First, students should work individually to label the honey bee. Next, students should pair up to compare answers. Then go over answers as a class, explaining what each body part does <u>Waggle Dance</u> Show students a video of the waggle dance, then demonstrate how to do the waggle dance. After, students can enact the waggle dance to find honey packets *see activities for more instructions			Have children complete the labeling worksheet on their own. Then pair students into groups of 2-3 students so they can discuss their answers. Children will work as a class to decode each students “waggle dance”.		
Assignments			Background/Preparation			Special		
Class work: Waggle Dance Activity/Anatomy Worksheet			Teacher should review information on honey bees. Resources: -Honeybee resource guide -Klein, B. A., Klein, A., Wray, M. K., Mueller, U. G., & Seeley, T. D. (2010). -https://www.nationalgeographic.com/animals/invertebrates/h/honeybee/ - https://www.natgeokids.com/au/disc-over/animals/insects/honey-bees			Integration with other disciplines: Biology, Ecology, Math.		
Guided practice: Guide students through finding honey packets						Remediation Activities:		
Reading: Text/ Articles/ Other Honeybee resource guide						Enrichment Activities/Extensions: Write a one paragraph reflection paper on the waggle dance and honeybee communication		
Writing: Write one to two paragraphs on the waggle dance								
Homework: none						Special Topics/Schedules Testing:___ Activity: <u>X</u> Assembly:___ Pep Rally:___Media/PR:___SAC:___ Career Education:___ Character Ed:___ Adopt-A-School:___ Athletics:___		
Technology Integration: PowerPoint: Websites: waggle dance video								
Total Duration: Worksheet should take 20 minutes, Waggle dance should take 40-60 minutes.								