Desired Results		
Established Goals:		
• Recognize that animals		
(including humans) and		
plants are living things		
that grow, reproduce,		
and need food, air,		
and water. (MA Life		
Science/Biology, PreK-		
2, Characteristics of		
Living Things 1.)		
• Recognize that plants		
and animals have life		
cycles, and that life		
cycles vary for different		
living things (MA Life		
Science/Biology, PreK-		
2, Characteristics of		
Living Things 3.)		
• Identify that ways in		
which an organism's		
habitat provides for		
its basic needs (plants		
require air, water,		
nutrients, and light;		
animals require food,		
water, air, and shelter)		
(MA Life Science/		
Biology, PreK-2, Living		
Things and Their		
Environment 8.)		

En	nma Fialka-Feldman : 1 st /2	^{nu} Grade Classroom	
Understandings:	Essential Questions:		
Students will understand	• How do ants change		
that	overtime?		
Animals and plants	• How are ants and		
have basic needs	humans connected?		
that are met by their	• Do we need ants?		
environment.	(Which animals		
Animals and plants	"count"?)		
change as they move			
through life cycles.	Mission Hill Habits of		
• Humans impact animals	Mind		
and plants.	Conjecture: How do ants		
	live in different places?		
	(What if things were		
	different?)		
	Connection: What is		
	similar/different from ant		
	life cycle to other animals/		
	plants? (Have I seen this		
	before? Is there a pattern?)		
	Evidence: How do		
	my observations and		
	investigations help me		
	know more about ants?		
	(How do I know this to be		
	true?		
	Relevance: Why do we		
	care about ants? (Why does		
	this matter?)		
	Viewpoint: How do ants		
	view us? How do other		
	cultures view ants? (How		
	might others see this?)		

En	nma Fialka-Feldman : 1 st /2	nd Grade Classroom	
Performance Tasks	Other Evidence		
All About Ants	Observation journal		
book (synthesizing	to document findings		
information learned	from field visits and		
about ants in various	classroom observation		
texts, class/individual	sessions (written and		
experiments, and field	visual evidence)		
trips)	• Art: Anatomy of an ant		
• Letter/Opinion piece:	or ant hill representation		
How should ants be	• Art: Ant's habitat		
treated? What should	• Math: Investigating		
we do if there are ants	with blocks - are you		
in our school? What	stronger than an ant?		
should we do if there	• Math: Investigating -		
are ants in our homes?	are you faster than an		
(applying what ants	ant?		
need to survive and	• Math: Are there more		
interviews of effects of	ants or humans? How		
pest control products)	do you know?		
	• Math: What do we look		
	like to ants?		
	• Literacy: Ants – action/		
	verb vs. describe/		
	adjective		
	• Literacy: Non-fiction		
	writing		
	• Literacy: Using non-		
	fiction text features to		
	find more information		
	about ants		
	• Literacy: Gather		
	information about ants		
	from both pictures and		
	text		
	• Developing questions		
	to interview community		
	members about		
	experiences and		
	responses to ants		
Learning Plan			

Emma Flaika-Feiuman : 172 Graue Classi oom			
Hook	Investigating	Documenting	Culmination
(Week 1-2)	(Week 2-5)	(Weeks 3-Week 8)	(Week 8-10)
Which animals count?	Where and how can we find	What are we learning?	How can we teach others
Why do ants bite?	ants outside and inside?	How do we document are	about what we've learned?
Who is stronger you or	How do they exist with	learning?	What is important about
ants?	humans and without	-Site visits	ants?
What do we know about	humans?	-Careful scientists include	-Selecting work to show
ants?	-Boston Nature Center	particular things in their	-Revising, editing
What do we want to learn	-School Yard	observations	
about ants?	-Local stores in JP	-Ant foraging maps	
-Mold of ant hill (MOS)	-Harvard Museum	-Ant masks in dramatic	
-Personal experiences with	-Pest Control/Animal	play	
ants	Control speaker	-Ant's habitat	
-Ant speed (time laps	-Classroom ant area set up	-Anatomy of ant	
videos)	(water ant farm, package	-Parts of ant farm	
-Ants working together	ant farm, class made ant	replication	
(video & observation)	farm)	-Life from point of view of	
-Number of ants vs.	-Taking care of ant farm	ant	
humans	-Ants in other habitats		
-Damage that ants can do			
_			
	I		

	1ma Fialka-Feldman : 1 st /2	Grade Classioon	
Resources			
Background			
<i>Information</i> : http://			
www.massaudubon.org/			
Conservation_Science/ ants.php			
Jobs of Ants change			
overtime: http://			
www.dailymail.co.uk/			
sciencetech/article-			
2311688/ANTS-change-			
job-grow-older-scientists-			
discover.html			
-Video: ants working as a			
community			
-Video: ants creating			
"damage"			
Litana an			
Literacy			
-Ant poems http://			
www.sharonmacdonald.co			
m/teaching-web-archives/			
ants-poem.aspx			
http://writing.wikinut.com/			
A-Poem-about-an-Ant/			
1w803q78/			
http://			
theteachersbackpack.blogs			
pot.com/2012/04/weve-got-			
ants-in-our-pants-freebie-			
and.html http://			
www.poetry4kids.com/			
poem-81.html#.UiN-			
jWQ 9i4			
-Ant songs: The Ants Go			
Marching			
-Ant leveled texts			

En	nma Fialka-Feldman : 1 st /2	nd Grade Classroom	
http://www.readinga-			
z.com/book.php?id=85 (G)			
http://www.weeschool.org/			
wp-content/			
uploads/2012/11/			
AntsAntsandMoreAnts.pdf			
(G)			
http://www.amazon.com/			
Marching-Little-Leveled-			
Readers-Level/dp/			
0439586720 (C)			
Ants Cheryl Coughlan (E)			
How Many Ants? Larry			
Dane Brimner (E)			
The 512 Ants on Sullivan Street L $agi(K)$			
Street Losi (K)			
Armies Of Ants Walter Retan (0)			
Inside an Ant Colony			
Horrible Harry and the Ant			
Invasion			
-Ants and Other Insects			
(Scholastic)			
(2000000)			
-Time for Kids: Ants			
-Ant folktale: The			
Grasshopper and the Ants,			
-Hey, Little Ant			
-National Geographic for			
Kids: Ants			
-The Ant Bully			
-Ant Cities			
-Two Bad Ants			
-Ants at the Picnic			
-Thinking About Ants by			
Barbara Brenner			
-The Life and Times of the			
Ant by Charles Micucci			
-Are you an Ant by Judy			
Allen Those America Anta hu			
-Those Amazing Ants by Demuth			
Demum			
Math			
Cooking			
<i>Cooking</i> -Ants on a log			
L			