


Grade 3: Week Term 2010	ESL	Dawne Furze
ESL Unit: Minibeasts		
Students:		
General Overview:		
SORRY-STARTED TO DO UNIT BUT DIDN'T FINISH. Hope this is passed on as a WORD doc so you maybe use the proforma. Just highlight and delete and add your own info		
ESL Scales and Levels		

Resources

Communicative Crossword Activity

Minibeast Flashcards
www.sparklebox.com



Pond Life flashcards
www.communication4all.co.uk

Free Downloads
 Minibeasts
www.askblake.com.au

Learning Strategies & Activities

CONTROLLED:

GUIDED:

INDEPENDENT:

Dawne Furze

Resources for Minibeasts

www.sparklebox.com

Search Minibeasts -some samples

Minibeast word mat 1 - Butterfly life cycle

life cycle caterpillar egg butterfly chrysalis leaf

Minibeast word mat 2 - Frog life cycle

life cycle tadpole frog frog spawn pond

Minibeast word mat 3 - General

minibeast legs wings slimy crawl fly insect pond grass soil log flower tree rock

Tadpole frog

frogspawn tadpole tadpole with legs

Tadpole frog

frog with tail frog

Complete butterfly growth process

egg caterpillar chrysalis butterfly

ant
How many legs? 0 4 6 more
Does it have wings? yes no

bee
How many legs? 0 4 6 more
Does it have wings? yes no

butterfly
How many legs? 0 4 6 more
Does it have wings? yes no

frog
How many legs? 0 4 6 more
Does it have wings? yes no

fly
How many legs? 0 4 6 more
Does it have wings? yes no

ladybird
How many legs? 0 4 6 more
Does it have wings? yes no

newt
How many legs? 0 4 6 more
Does it have wings? yes no

spider
How many legs? 0 4 6 more
Does it have wings? yes no

Label the insect

Cut out the words at the bottom and stick them in the boxes to label the:

abdomen eye wing leg thorax

ladybird spider fly

butterfly caterpillar worm

Pond Life

newt damselfly leech snail

Pond Life

frog spawn tadpoles tadpole tadpole with legs

Minibeast Spotting

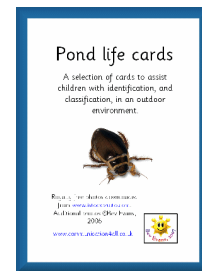
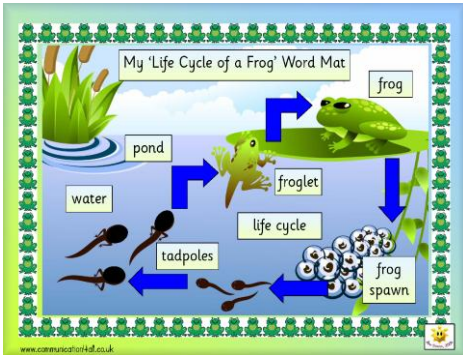
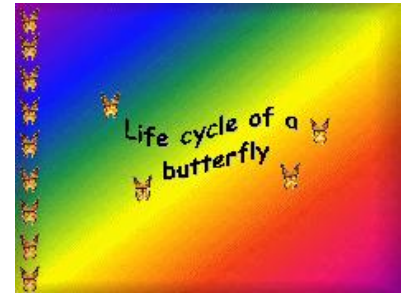
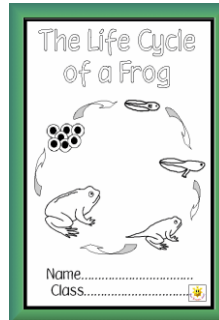
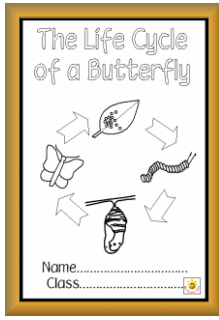
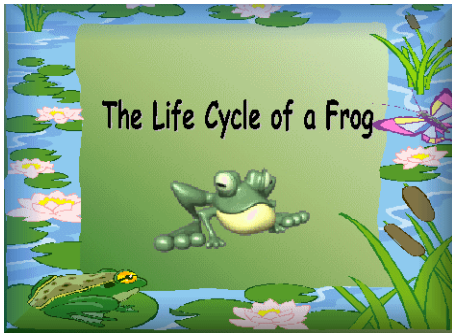
Keep your eyes open!
Which minibeasts have you seen? (tick the boxes)

ladybird butterfly spider beetle
ant fly worm dragonfly
bee slug newt
grasshopper centipede frog
snake woodlouse

ants honey bee frog ladybird
bumble bee butterfly fly newt
spider worm caterpillar tadpole
wasp snail beetle dragonfly

pond frog dragonfly

bulrushes pond skater frog spawn

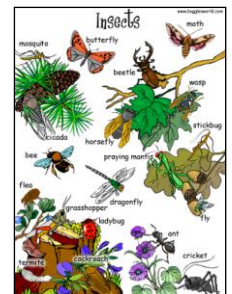
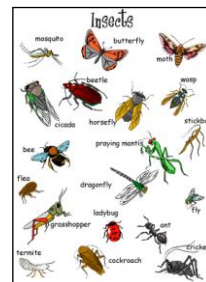


www.askblake.com.au

Go to Free Downloads Select Minibeasts
Print off the 18 page booklet with BLMs

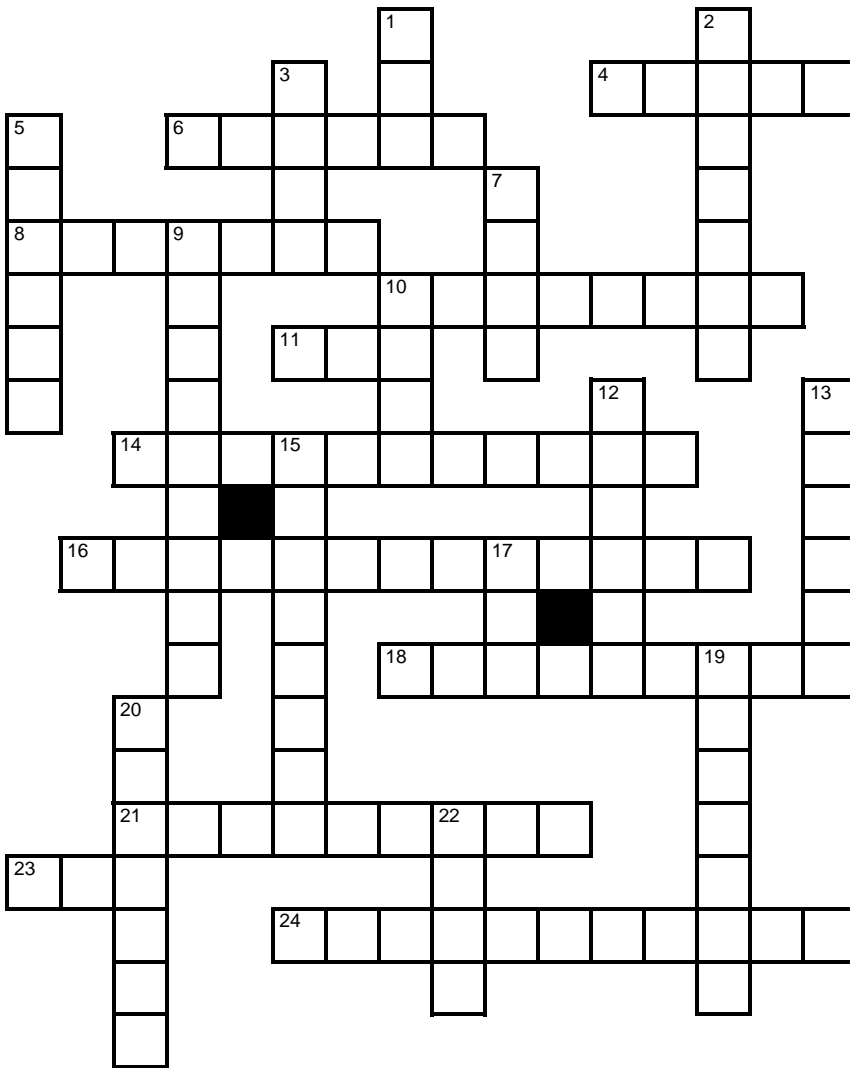
www.bogglesworldesl.com

Click on Worksheets then Insects Series of preposition cards



Communicative Crossword Puzzle ON NEXT PAGE: Teacher and students discuss the insects charts above. **Activity:** Students work in pairs. Student 1 is given Crossword A and Student 2 is given Crossword B. A barrier is placed between each student. Each completes his/her part of the crossword with the clues given. They then ask questions of each other to work out what the missing answers are. They are not allowed to say is it a bee? They have to ask more general inquiry and elimination questions.

Insects

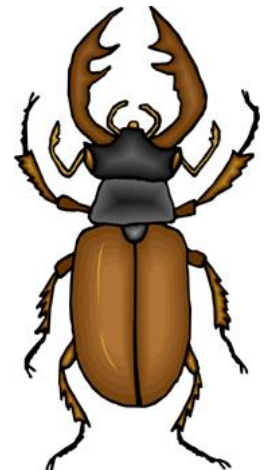


Across

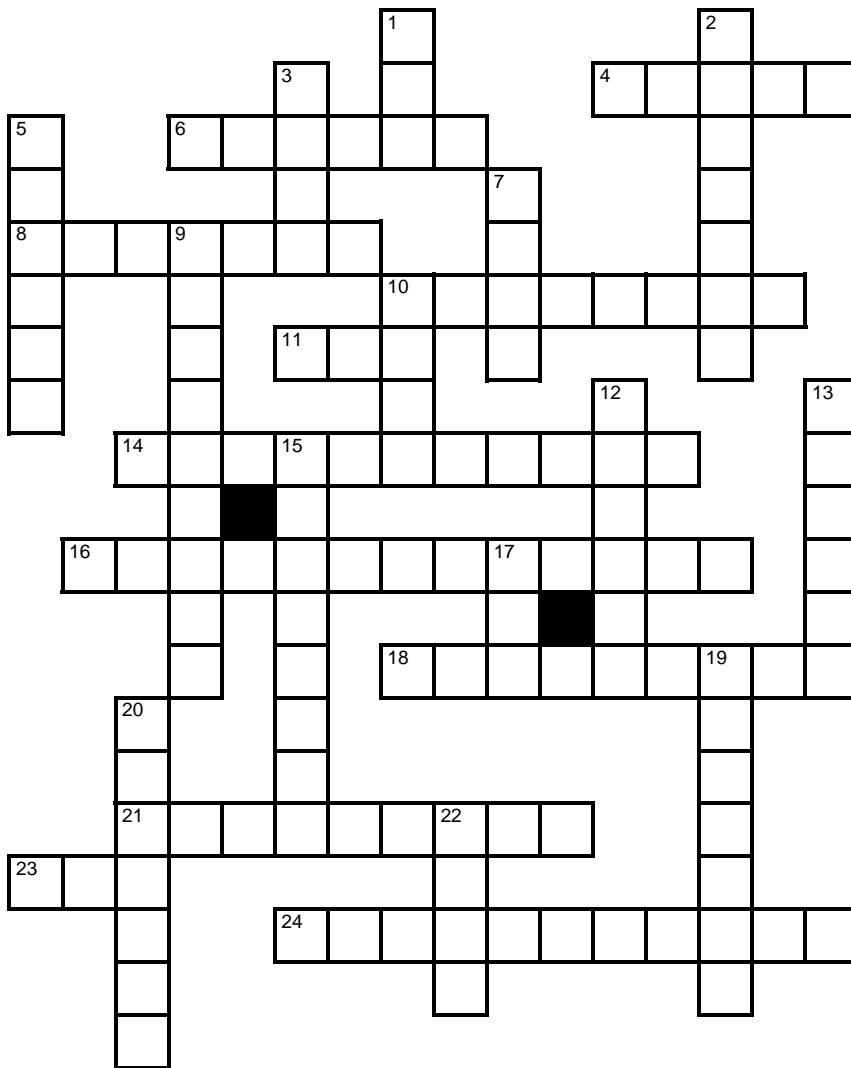
- 4. The leader of an ant colony or a beehive.
- 6.
- 8. You rarely see this insect, but you often hear it chirping.
- 10.
- 11. How many pairs of wings do most insects have?
- 14.
- 16. This green insect is a fierce hunter.
- 18.
- 21. This flying insect has a long body.
- 23.
- 24. This is a baby butterfly.

Down

- 1. This insect lives in a hive.
- 2.
- 3. A bee house.
- 5.
- 7. This stinging insect looks like a bee but it has no hair.
- 9.
- 10. This insect flies into lights at night.
- 12. This insect is like a tank.
- 13.
- 15. This bug hides by disguising itself as a stick.
- 17.
- 19. This flying insect lights up the night.
- 20.
- 22. This insect makes dogs itchy.



Insects

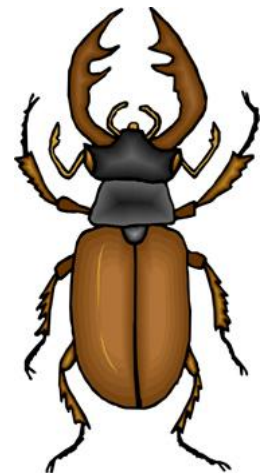


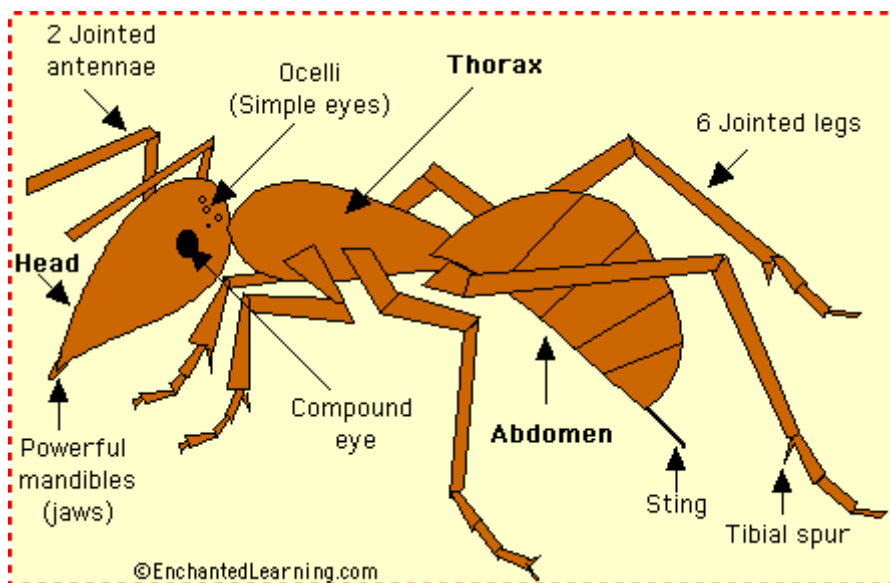
Across

4.
 6. This bug, which is not an insect, likes to eat insects that fall into its web.
 8.
 10. This insect drinks blood.
 11.
 14. This insect can jump very far.
 16.
 18. This is a beautiful flying insect.
 21.
 23. This insect often flies around garbage.
 24.

Down

1.
 2. This white insect likes to eat wood.
 3.
 5. This large flying insect makes songs that can be heard far away.
 7.
 9. This disgusting insect lives under fridges and cupboards.
 10.
 12.
 13. An ant house.
 15.
 17. This insect lives in a colony.
 19.
 20. This insect is red with black spots.
 22.





www.enchantedlearning.com

There are thousands of species of ants found all over the world and in just about every type of land environment. Many species are found in [rain forests](#). The science of studying ants is called myrmecology.



Ants are common social [insects](#). They always live in colonies (a colony is a group of related ants); some colonies have millions of ants in them. Each ant colony consists of the following:

- **Queen** - The queen begins her life with wings, which she uses while mating. After mating with a male ant (or many males), she flies to her nesting area. She then loses her wings and spends her life laying eggs.
- **Workers** - Workers are the many sterile (non-reproducing), wingless female worker ants who are the daughters of the queen. These workers collect food and feed members of the colony, defend the colony, and enlarge the nest. Most of the ants in a colony are workers.
- **Soldiers** - Soldiers are large workers (sterile females) who defend the colony and often raid other colonies, capturing slaves.
- **Males** - Males are small ants that have wings. They fly from the colony to mate with a queen. They die soon afterwards.

Ants exhibit complex behavior; some ants build intricate nests, some are fierce warriors, some collect and store seeds (harvester ants), some capture slaves, and some farm fungi (leaf-cutter ants).



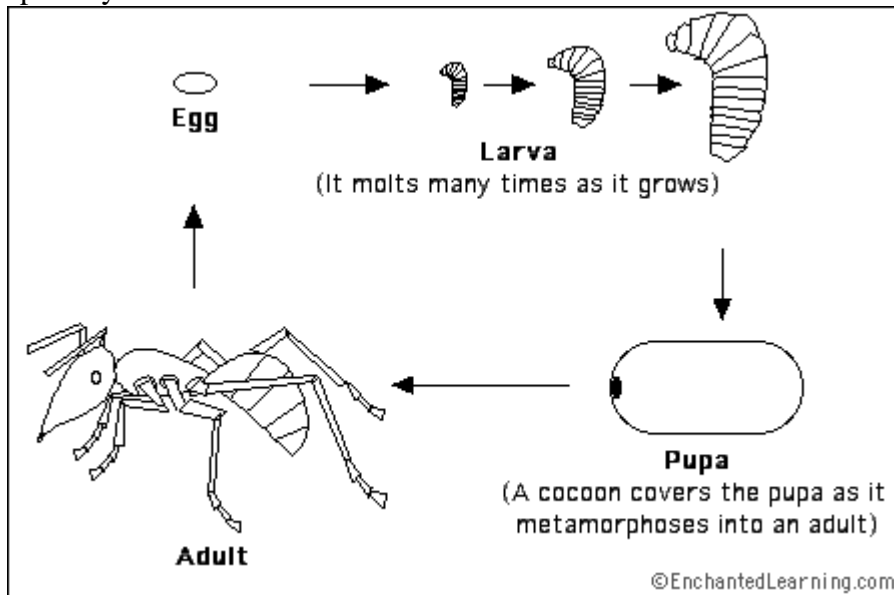
Anatomy: Ants, like all insects, have jointed legs, three body parts (the head, thorax and abdomen), a pair of antennae, and a hard exoskeleton. The exoskeleton is made up of a material that is very similar to our fingernails. Ants range in color from yellow to brown to red to black.

Some ants have a stinger and some can even inject poisonous acid from the stinger (the stinger is at the tip of the abdomen, the rear body segment). Ants can also bite using their jaws (mandibles). Ants range in size from about 0.08 inch (2 mm) to up to about 1 inch (25 mm) long.



Life Cycle: The [life cycle of the ant](#) has four stages: egg, larva, pupa, and adult. Fertilized eggs produce female ants (queens, workers, or soldiers); unfertilized eggs produce male ants. The worm-like larvae have no eyes and no legs; they eat food regurgitated by adult ants. The larvae molt (shed their skin) many times as they grow. After reaching a certain size, they spin a silk-like cocoon (against a solid object, like the wall of the chamber) and pupate. During this time the body metamorphoses (changes) into its adult form. The pupa emerges as an



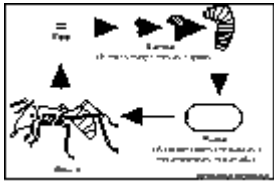

adult. The entire life cycle usually lasts from 6 to 10 weeks. Some queens can live over 15 years, and some workers can live for up to 7 years.


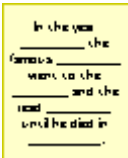
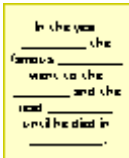


Classification: Kingdom Animalia (animals), Phylum [Arthropoda](#), Subphylum [Uniramia](#), Class Insecta ([insects](#)), Order Hymenoptera (ants and wasps - insects with a waist), Family Formicidae (over 8,000 species of ants).



Ant Printouts:

 <p><u>Ant</u> Ants are social insects that are found worldwide and in almost every environment.</p>	 <p><u>Ant Life Cycle Sequencing Cards</u> Cut out the four scenes and arrange them so they show the ant life cycle.</p>	 <p><u>Ant Life Cycle</u> Ant larva hatch from tiny eggs, then pupate and metamorphose into adults.</p>	 <p><u>Ant Anatomy: Label Me!</u> Label the external anatomy of the ant. <u>Answers</u></p>
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 <p>©EnchantedLearning.com</p> <p><u>Leafcutter Ant</u> Leafcutter ants are fungus farmers - they grow their own food.</p>	 <p><u>Ant Anatomy and Life Cycle: Cloze Activity</u> Do a fill-in-the-blanks activity on ant anatomy and the life cycle of these social insects. <u>Answers</u></p>	 <p><u>Ant Colonies: Cloze Activity</u> Do a fill-in-the-blanks activity on ant colonies. <u>Answers</u></p>
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Minibeasts



The following pages contain links for Minibeasts including: Lesson Plans, Printables, Teacher resource materials, WebQuests and more.




SORRY THIS PAGE DOES NOT FIT BUT IF YOU HIT CONTROL AND CLICK YOU WILL GO TO THE LINKS.

Ants




Ant Architecture	<p>Students will understand the following:</p> <ol style="list-style-type: none"> 1. How ants create different kinds of shelters, depending on their environment. 2. How ants have different behaviors that allow them to survive in different environments. <p>Grade level: K-2, 3-5 Subject area: science</p>
 Ants	<p>From Enchanted Learning this page includes information about Ants and provides coloured diagrams, printouts and more.</p>
Online ants	<p>Watch this movies that shows the movement of ants. Requires QuickTime.</p>
The Magic School Bus gets ants in its pants	<p>What project can Ms. Frizzle's class do for the Science Fair? How about a movie about an ant colony? Keesha is the director in search of a star for the show. When the class shrinks and travels through an anthill, she finds ants doing different tasks. But no one ant seems right for the starring role. By the end of the field trip, the kids discover that ants communicate and work together to help one another live. All the ants are stars!</p> <p>Grade level: K-2 Subject area: science</p>
 Build a bug	<p>Play this online interactive game and learn the parts of an ant's body. This game helps show the difference between the anatomy of ants and other bugs.</p>
Go the ant	<p>View animated illustrations, colorful pictures, and learn more about the life style of ants.</p>
On the ground: Ants	<p>A brief explanation about ants from ABC.</p>



Bees

 Maze bug: Bees (easy)	<p>A printable maze to help the bee fly to the flower.</p>
 Maze bug: Bees (harder)	<p>A printable maze to help the bee fly to the flower.</p>
	<p>A printable wordsearch about bees.</p>

Wordsearch: Bees 	
Bees	<p>From Kidcyber a brief explanation about bees.</p>
Butterflies	
Colouring page: Butterfly 	<p>A printable butterfly colouring page.</p>
Colouring page: Butterfly 	<p>A printable pdf version of a butterfly to print and colour..</p>
All about butterflies	<p>All About Butterflies is a comprehensive on-line hypertext book about butterflies It is designed for students of all ages and levels of comprehension. It has an easy-to-use structure that allows readers to start at a basic level on each topic, and then to progress to much more advanced information as desired, simply by clicking on links.</p>
Beautiful butterflies: Art activity	<p>These butterflies will look like stained glass when they are hung on windows.</p>
Butterflies and moths	<p>From Kidcyber a brief explanation about butterflies and moths.</p>
Butterflies at the Field Museum	<p>Did you know there are about 20,000 different kinds of butterflies in the world? The butterflies shown here are just a few from The Field Museum's worldwide.</p>
From Cutter to Fluuter: My life as a Lepidoptera	<p>I am here to crawl through this web site with you. My appetite to teach is BIGGER than my appetite for leaves. Speaking of my appetite, this is what we have prepared for your dining pleasure. For the first course, we will munch on the difference between butterflies and moths. During our second course, we will bite into my life cycle. Served up next will be the third course which consists of my friend Flutter and his wonderful body parts. I saved the best for last. The final course is Flutter's family friends.</p>
Where do butterflies come from?	<p>Ever wonder where a butterfly comes from? It comes from a chrysalis (KRIS-uh-liss) which is also called a pupa. A chrysalis looks like a tiny leathery pouch. You can find one underneath some leaves in the summer.</p>
Blooming butterflies - Webquest	<p>To learn and explore how a butterfly comes to life through "Metamorphosis".</p> <ul style="list-style-type: none"> • Learn the 4 basic stages of the butterfly • Print out the life cycle page and draw, color and label the stages. • Learn "butterfly" vocabulary words.
Monarch butterflies - Webquest	<p>Do you want to become an entomologist? An entomologist is a scientist who studies insects. Butterflies are insects. If you are successful with this Web Quest, you will earn the title of Entomologist!</p> <p>Grade level: 1</p>
The quest for food with The very hungry caterpillar - Webquest	<p>It will be your quest to learn the days of the week and to discover how a caterpillar becomes a butterfly.</p> <p>Grade level: 2</p>
The hungry caterpillar	<p>This page is suitable for kindergarten and grade 1 students. These activities are based on the story "The Hungry Caterpillar" written by Eric Carle. It has been divided into three activities. Part A is based on language and math skills. Part B tests the children's knowledge in beginning sounds as well as memory. The last section emphasizes on how well they know the story..</p> <p>Grade level: 1</p>

Earthworms

The adventures of Herman	Fun site all about worms. Explore the links to discover the parts of a worm, where worms originated from, and what worms eat. Includes an interactive quiz on a worm's anatomy and the food worms eat. On the home page, click on "Teacher's Bin" and find out how you can request a poster of Herman.
Worm world	Excellent children's site on worms, including poster earthworms. Click on "All About Earthworms" to view a movie of an earthworm being born and its five hearts. Requires Quicktime.
Frogs	
A thousand friends of frogs	Connecting children, parents, educators, and scientists to study and celebrate frogs and their habitats.
All about frogs for kids and teachers	Provides information about the frog lifecycle and also contains activities for both students and teachers.
Australian animals: Green tree frog	This page was created by a year 5 student.
Blue Mountains tree frog	A page from Kidcyber with information about the Blue Mountains tree frog.
Colour me frog! 	Hey Kids! Frogs come in all the colors of the rainbow! Here's some frog pictures for you to color however you want!
Corroboree frog	A page from Kidcyber with information about the Corroboree frog.
The froggy page	Welcome to the Froggy Page! This corner of the net is home to all kinds of virtual frogginess, from the silly to the scientific. Check out the menu below to find more frog fun.
Frog maze 	Print out this maze!
In the water: Frogs	A brief explanation about frogs from ABC.
Frogs and Toads at Enchanted Learning 	Rhymes, Crafts, Quizzes, and Printouts to Color.
Our friend the frog - Webquest	You are going to investigate frogs, find out why we call them our friends and how we can best help them. Grade level: 2-4
Rainforest frogs	A comprehensive list of Australian frogs, includes pictures.
A little froggy - Webquest	Your school has been given a \$5000 grant from Zootopia to develop a frog garden in your school. What sort of environment do frogs need ? Where in your school or garden would a frog pond be best suited? Grade level: 1-2
Frog Finds His Family - Webquest	Frog needs your help! He has just discovered that he is a frog and now he is in search of his family. Grade level: Prep - 2

Frogs - Webquest	<p>You are going on a field trip to a pond to see and hear frogs. How do frogs get to be frogs? Where do they live? What do they sound like? Let's go on this field trip to learn about frogs.</p>
<p>Insects</p>	
Entomology for beginners	<p>Entomology is the study of insects. This page provides some basic information on insects. First a quick look at the anatomy of adult insects. Then a short story about the metamorphosis of insects.</p>
Minibeasts and frogs	<p>This page contains clickable thumbnails of insects from ants to wasps.</p>
Insects at Enchanted Learning 	<p>Here are links to printouts of different species of insect. There are craft activities, quizzes and worksheets, and pictures that you can print out and color.</p>
Enchanted Learning: Insects online colouring pages 	<p>Here are pictures of different insects that you can color online. Click on a region in the picture to color it in with the selected color. Click on a color swatch in the palette to select a new color.</p>
Insects	<p>This page provides information about insects.</p>
Insect identification	<p>Look at the pictures of insects. What do you see that is the same? What is different? Tell your neighbor!</p>
Insect printouts 	<p>Click on an animal to go to that printout.</p>
Insects	<p>A list of webpages created by year 5 students at Elanora Heights Primary School, includes bees; bull ants; wasps and more.</p>
Sparklebox topics: Minibeasts	<p>A large range of printable worksheets, posters and more for a unit on minibeasts.</p>
Insects	<p>A list of webpages created by year 5 students at Elanora Heights Primary School, includes bees; bull ants; wasps and more.</p>
Mr Tumble and the minibeasts	<p>Learn all about minibeasts on this amazing adventure with Mr Tumble.</p>
Under 5s minibeasts	<p>Spiders, ants, ladybirds, flies, worms, snails, and wasps are just a few of the creatures that we call minibeasts. Because they are small, minibeasts are all around us. Take the children for a look around the classroom or the inside of your house - Can you see a cobweb ? Ask what creature may live here ?</p>
Bug puzzle 	<p>A fun interactive concentration game.</p>
Get this bug off of me	<p>It's a natural reaction to be frightened of some insects. Many insects have the ability to harm people, and many insects look very menacing. However, many large insects are not harmful at all.</p>
Minibeasts clipart	<p>A large collection of minibeast clipart.</p>

Minibeasts field trip	Insects and Minibeasts: A Creepy Crawly Experience for Grades 1-3
Monster bugs game 	Help! There are drawers full of bug parts in the Friz's lab! Put the parts back together to create bugs found in nature OR create new bugs of your own! You've never seen Monster Bugs like these!
Insects - Webquest	Hi detectives! You are going to be exploring the world of insects! You will be learning about many different insects in this lesson. Grade level: 2
Ladybirds	
Lady beetles	View pictures of different species of ladybugs.
Ladybugs - Enchanted Learning	Provides information about ladybirds and includes printables.
Ladybug facts	Explore the links on the left for information about ladybugs. Includes a handout on this insect's life cycle as well as suggested children's books and online games. NOTE: The site has banner and pop-up ads.
Ladybugs colouring pages 	Follow the instructions to print these 11 coloring pages.
Aphid eater game 	In this online game, the object is to drag the ladybug over the aphids to save the rose.
Silkworms	
Silkworms	This page provides brief information about silkworms and includes an art activity for students.
Silkworm moth - Enchanted Learning	Provides information about silkworms and includes printables.
Life cycle of the silkworm	An interactive slideshow about the lifecycle of a silkworm.
Spiders	
On the ground: Spiders	A brief explanation about spiders from ABC.
Gander Academy's - Spiders theme pages	A comprehensive directory of spider related pages, younger students will need assistance.
Spiders	From Kidcyber this page provides a brief explanation about spiders.
Spider savvy- Webquest	In a small group, you will be investigating different kinds of spiders. You will learn where they live, what they eat, and how they look. Grade level: 1
Spider webquest	What kind of an animal is a spider? Is it an insect or something else? Miss Muffet did not like spiders. Do this quest and find out how you feel about spiders!

Mini-beasts

Highland Virtual Learning Community

[Link to Resources for Primary Teachers](#)



[Minibeasts: Create your own Super Bug!](#)



[Going Bug-gy! Facts and Fun About Insects](#)



[UK Safari: Creepy Crawlies](#)



[Insects: Nature Detectives](#)



[Wild about Britain: British Butterflies](#)



[The Life Cycle of Butterflies](#)



[Invertebrate Biodiversity](#)



[Yucky Roach World](#)



[Wild about Britain: British Insects](#)



[Yucky Worm World](#)



[The Adventures of Vermie the Worm!](#)



[The Adventures of Herman](#)



[Climbers and Creepers: fun and games online](#)



[Insects: Nature Detectives](#)



[Minibeasts](#)



[Animal Facts](#)



Young People's Trust for the Environment: [Animal Fact Sheets](#):-

MINI BEASTS RESOURCES

www.sparklebox.co.uk sparklebox search for resources and coloured pictures of minibeasts

<http://animals.pppst.com/minibeasts.html> good powerpoint presentations for the smartboard.
Scroll through and see where it takes you. **

www.askblake.com.au select Free Downloads and go to minibeasts **

www.shambles.net/pages/learning/primary/Minibeasts List of websites

www.k-3teacherresources.com

www.beps.vic.edu.au/minibeasts.html

www.1stgrade2.wordpress.com/teachers Scroll down to Minibeasts