

# Bugs, Bugs, Bugs!

## Study Guide 2015 - 2016

Bugs! Bugs! Bugs! Is the perfect show for school children from Kindergarten to grade 3. Not only does it teach a valuable life lesson about overcoming one's fears, it meets Ontario curriculum expectations in both the "Drama" and the "Understanding Life Systems" categories.

### Ontario Curriculum Expectations

The performances and the activities in the study guides enhance the following expectations from the Ontario Curriculum:

#### **Drama:**

- Apply the creative process to dramatic play and process drama, using the elements and conventions of drama to communicate feelings, ideas, and stories.
- Apply the critical analysis process to communicate feelings, ideas, and understandings in response to a variety of drama works and experiences.

EL-K: D1.1, D2.1, D3.1, D4.1 (Drama & Dance)

PRIM: B1.1, B1.2, B2.1, B2.2, B2.3

#### **Understanding Life Systems:**

- Assess ways in which bugs have an impact on society and the environment, and ways in which humans have an impact upon bugs and the places where they live.
- Investigate similarities and differences in the characteristics of various bugs.
- Demonstrate an understanding that bugs grow and change and have distinct characteristics.

EL-K: 1.1, 1.2, 1.3, 3.1, 3.2 (Science & Technology)

PRIM: 1.2, 2.3, 2.4, 2.6, 3.1, 3.2, 3.6

### Activities for Students

#### 1. Buggy Brain Busters!

(Do this before AND/OR after the show)

In the show "Bugs! Bugs! Bugs!", Soli plays a game with the audience called "Buggy Brain Busters!" She says, "Hello junior scientists and welcome to 'Buggy Brain Busters'; a game that tests your knowledge of bugs!" Here's how to play the game in your own classroom:

The teacher draws the body of a bug on the blackboard. He/ she reads the class a series of 12 bug-themed questions. The children answer by shouting out collectively or answering individually. Every correct answer will earn the class a "leg" which will be drawn on the body of the bug. 6 legs will earn the class the title of insect; 8 legs, arachnid; 10 legs, myriapod. Answering the 11th question earns the class a "wing" (drawn by joining leg 1 to leg 5 in a wing shape); and scoring the 12th question earns the class the title of Luna moth (drawn by joining leg 6 to leg 10 in a wing shape).

Here are 12 sample questions for kindergarten students (the correct answer is underlined):

1. What bugs like to hop: a moth, a firefly or a grasshopper?
2. What itchy, scratchy bugs live in doggie fur? Is it snails, caterpillars or fleas?
3. When a baby insect is born, it comes out of one of these? Is it a car, a box, or an egg?
4. She is the bee that rules the hive. Is she a drone bee, a worker bee or a queen bee?
5. A spider catches its dinner in one of these. Is it a supermarket, a taco or a spider web?
6. This beetle bug is red with spots. Is it a stink bug, a pill bug or a ladybug?
7. What bugs live in human hair? Is it earth worms, tarantulas, or head lice?
8. What bug likes to swim? Is it a dragonfly, a scorpion, or a water beetle?
9. This slimy bug looks like a snail with no shell. Is it a mosquito, a wasp or a slug?
10. What does a caterpillar turn into? Is it a housefly, a mayfly or a butterfly?
11. What bugs have 8 legs? Is it an ant, a centipede, or a spider?
12. What bug makes a loud chirping sound? Is it a cat, a cookie or a cricket?

Here are 12 sample questions for primary school students:

1. These wood eating ants can destroy a house in no time. Are they tacos, termites or toddlers?
2. What bug has more legs: a millipede or a centipede?
3. What is another name for a honey bee's nest? Is it a condo, a hive, or a sleeping bag?
4. What is an insect's hard protective shell also known as? Is it a sweater, a frying pan or an exoskeleton?
5. Without these, bugs would be lost. Are they iphones, earlobes, or antennae?
6. These insects were worshiped in ancient Egypt? Are they movie stars, jumping beans or scarab beetles?
7. Arachnophobia! Is it a fear of roller coasters, a fear of bunny rabbits or a fear of spiders?
8. The larval stage of a butterfly is also known as this: Is it a caterpillar, a kitten, or a kettle?
9. How do bumblebees help the flowers survive? Do they eat them, do they water them, or do they pollinate them?
10. A honey bee uses a drinking straw mouthpiece called a proboscis to do what: To collect nectar from the flower, to dig holes in the ground or call his mommy?
11. The body of an insect includes all of the following: a head, a thorax and an abdomen? Is this true or false?
12. Who were the first flying predators on earth? Were they eagles, dragonflies or pterosaurs?

## 2. Buggy Ballads!

(Do this before the show)

In the show "Bugs! Bugs! Bugs!", Soli & Rob sing lots of songs about bugs. Do you know any songs about Bugs? If you do, tell the class or if you feel like it, sing it. Keep your ears open during the show for any new bug songs to add to your collection ... or "repertoire."

## 3. Creepy Crawlies?

(Do this before the show)

Are you, or anyone in your family afraid of bugs? If so, what kind of bugs are you afraid of? What is it about them that you find scary? In the show you are about to see, there are bug characters. Do you think that the bugs will be the good guys (heroes) or the bad guys (Villains)? Teachers be sure to follow up after the show and see if the students' opinions have changed.

## 4. Make-your-own Bungalow Bug!

(Do this after the show)

Who was your favourite Bungalow Bug? Did you notice how each character had a trait that made him/her special. Alistair Ant was strong, Sluggo the slug was slow and steady and Lily-Mae the butterfly could fly. Draw your own Bungalow Bug. It can be any species of bug you like. Name your bug and give it a trait or "super power".

## 5. Butterfly Business!

(Do this before OR after the show)

In the show, Soli & Rob sang a song about Metamorphosis which means change. Show how a butterfly changes by placing the stencils (provided below) in the right order to show the life cycle of a butterfly: Eggs or Embryos - Caterpillar or Larva - Chrysalis or Pupa (Inside the cocoon) - Butterfly or Imago

- The stencils can also be distributed to the students for colouring.

## 6. Eek & Boo!

(Do this after the show with the Primary students)

The character of Rob looked pretty scared when he met the Bungalow Bugs for the first time? Can you make a scared face? How about a scary face? Now it's time to choose a partner and put on your own little play, or skit. Find some "props": a chair and a newspaper.

Roles:

EEK - the scared one

BOO - the scary one

(EEK enters holding a newspaper and sits on the chair)

EEK What a beautiful day!

(EEK opens the newspaper and reads. BOO enters and stands behind EEK)

BOO A beautiful day to be scary! Boo!

EEK Arrrrrgh! (EEK runs away throwing the newspaper in the air)

Optionally, BOO's first line can be improvised so that the student gets to choose something they personally find scary. For example, "A beautiful day to be A MONSTER! Roar!"

## 7. Sleeping Buggies

(Do this before OR after the show with Kindergartens)

Sing the "Sleeping Buggies" song to your kindergarten students and teach them the actions. Each verse starts with the students lying down and "sleeping" on the carpet. When the bug wakes up, the students role-play that particular bug. This tune has the same melody as the children's favourite "Sleeping bunnies".

See the green grasshoppers, sleeping 'til its noon.  
Come let us wake them with our hopping tune.  
Oh so still, are they ill? NOOOO!  
Hop, grasshoppers! Hop, hop, hop!  
Hop, grasshoppers! Hop, hop, hop!  
Hop, grasshoppers! Hop, hop, hop!  
Hop grasshoppers, hop and stop.

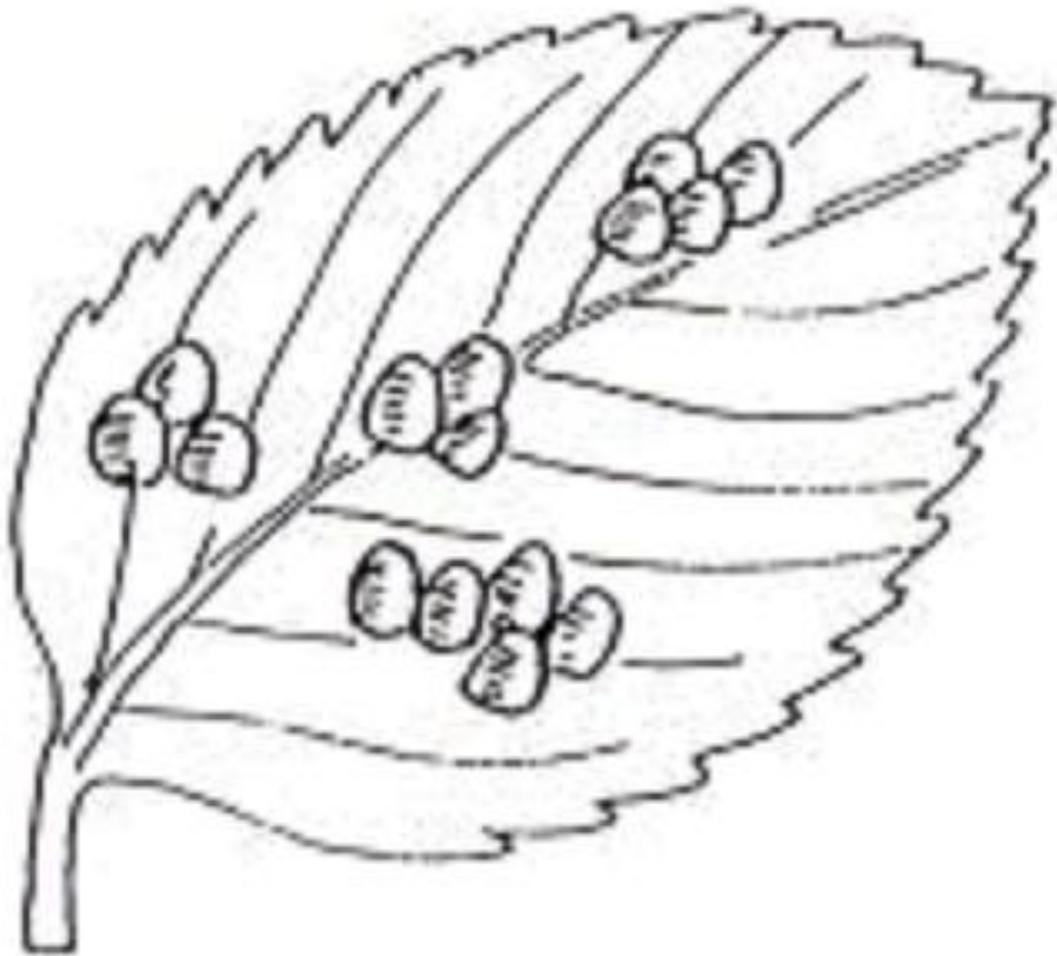
See the sleeping snails, houses on their backs.  
Come let us wake them, watch them make their tracks.  
Oh so still, are they ill? NOOOO!  
Crawl, little snails! Crawl, crawl, crawl!  
Crawl, little snails! Crawl, crawl, crawl!  
Crawl, little snails! Crawl, crawl, crawl!  
Crawl, little snails! Crawl and stop.

See the speedy may flies, sleeping all the day.  
Come let us wake them, watch them zoom away.  
Oh so still, are they ill? NOOOO!  
Fly, little may flies! Fly, fly, fly!  
Fly, little may flies! Fly, fly, fly!  
Fly, little may flies! Fly, fly, fly!  
Fly, little may flies! Fly and stop.

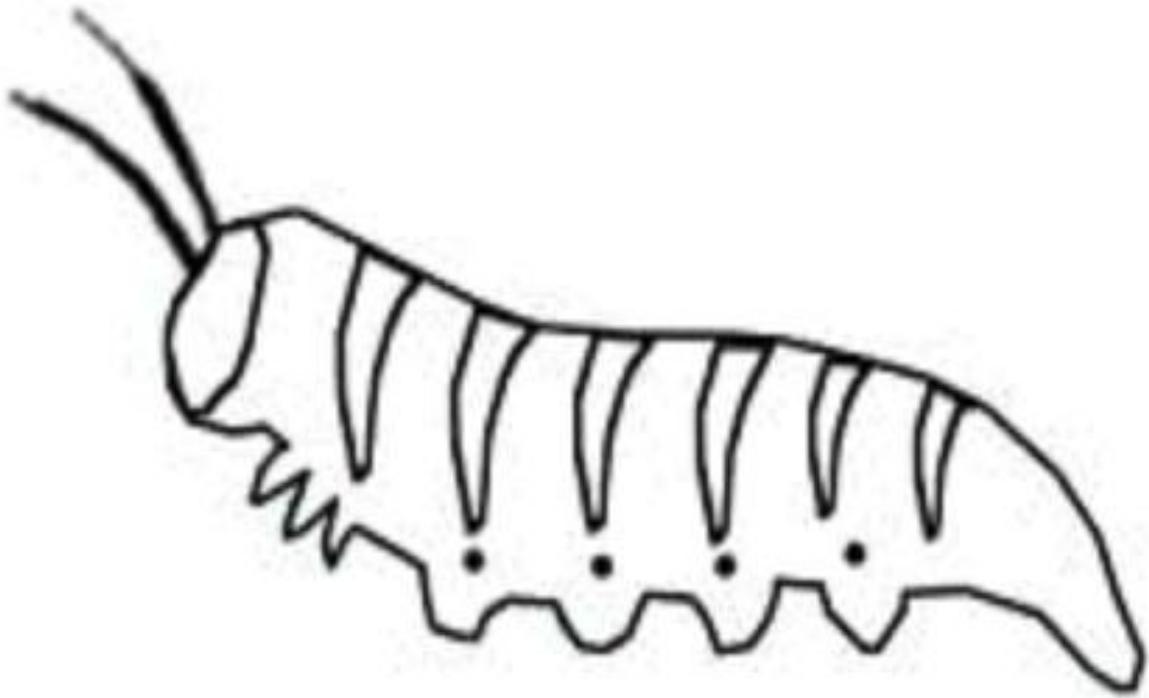
See the praying mantises, snoring in their sleep.  
Come let us wake them, watch them take their seat.  
Oh so still, are they ill? NOOOO!  
Sit, praying mantis! Sit, sit, sit!  
Sit, praying mantis! Sit, sit, sit!  
Sit, praying mantis! Sit, sit, sit!  
Sit, praying mantis! Sit like this.

See the little spiders, in their spider beds.  
Come let us wake them, watch them spin their webs.  
Oh so still, are they ill? NOOOO!  
Spin, little spiders! Spin, spin, spin!  
Spin, little spiders! Spin, spin, spin!  
Spin, little spiders! Spin, spin, spin!  
Spin, little spiders! Spin and stop.

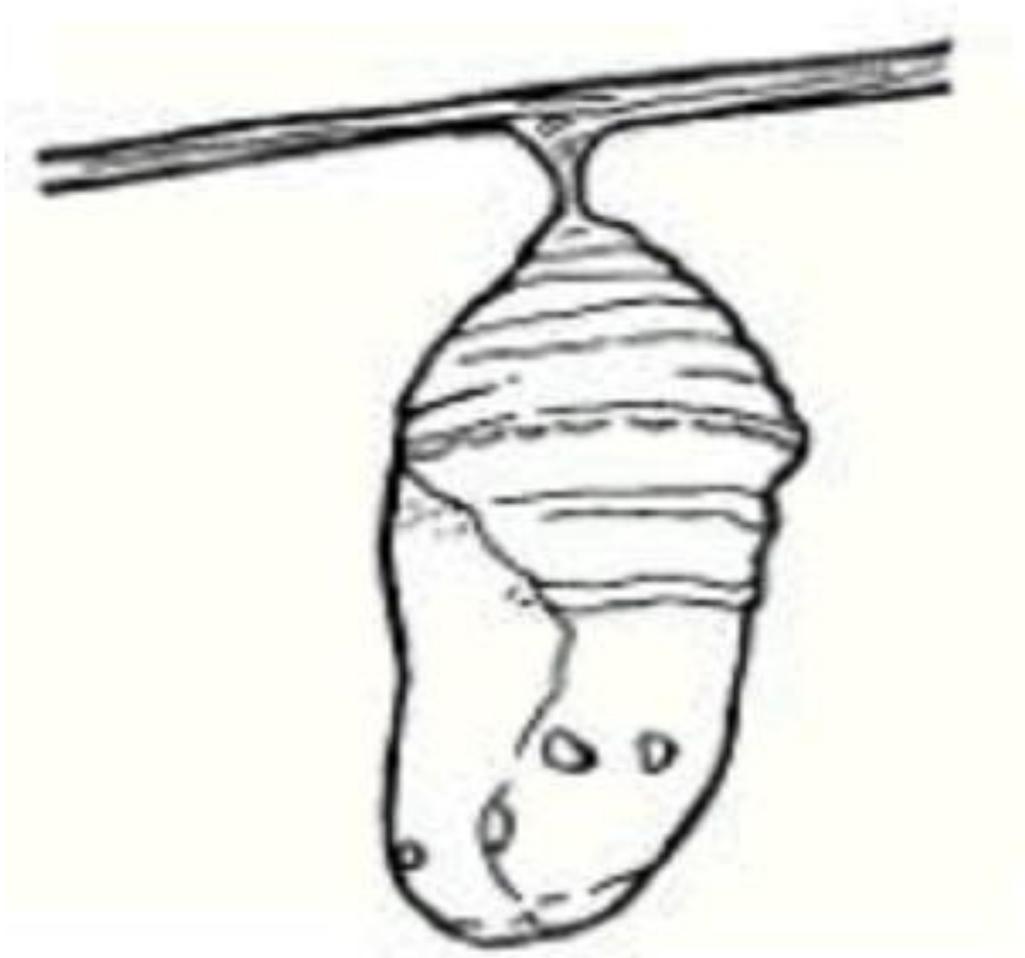
# Eggs OR Embryos



# Caterpillar OR Larva



# Chrysalis OR Pupa (inside the cocoon)



# Butterfly OR Imago

