

BUG Biographies & Learning Styles



Antonio Ant

Personality and Learning Style

Antonio is a logical-mathematical, intrapersonal learner. He is curious about how things work. He mentally computes measurements and formulas and enjoys logic puzzles, brainteasers and games of strategy like chess. He looks for rational explanations, thinks logically and looks for logical answers. He feels more comfortable when something has been measured, categorized, analyzed, or quantified in some way. He likes to experiment in a way that uses higher order cognitive thinking processes. He has a great sense of cause and effect. He works well with others, but is very strong willed and independent. He is self-directed and prefers working alone on a specific part of a group project.

Information about Ants

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).

Ants are very social insects and live in colonies (groups of related ants). Each colony consists of a queen, workers, soldiers and male ants.

The entire life cycle of an ant lasts from 6 to 10 weeks (Egg, Larva, Pupa, Adult). Some queens can live more than 15 years, and some workers can live for up to 7 years.



Bella Fly

Personality and Learning Style

Bella is a musical, interpersonal learner. She loves to hum, sing, or make tapping sounds while working. She enjoys listening to music on the radio and has a wonderful collection of CDs. Bella has a great ear for music and can tell when someone is singing off key. She can play several musical instruments and finds music enriching. She has a rhythmic way of speaking and moving and loves to dance and fly. Bella enjoys socializing with others and seeks advice and counsel from classmates when working on a project. She enjoys group activities and belongs to several special interest clubs at school.

Information about Butterflies

Butterflies are very good fliers. They have two pairs of large wings covered with colorful, iridescent scales in overlapping rows. Butterflies and moths are the only insects that have scaly wings. The wings are attached to the butterfly's mid-section. Veins support the

delicate wings and nourish them with blood. Butterflies can only fly if their body temperature is above 86 degrees. In cool weather Butterflies sun themselves to warm up so they can fly. Flying speed varies among butterfly species. The fastest butterflies fly about 30 miles per hour or faster. The slowest flying butterflies fly about five miles per hour.



Henry Hop

Personality and Learning Style

Henry is a bodily-kinesthetic learner. He is physically active and loves the outdoors. He's wonderful at sports and athletic pursuits and finds it difficult to sit for long periods of time. He's on the track team loves high jump, sprinting, and flying. He really enjoys working with his hands and one of his favorite things is taking things apart and rebuilding them. He has a need to touch things when learning about them. Henry needs to practice skills by doing them rather than simply reading or hearing about them. He's great at putting things together and often assists the teacher with assembling storage units, shelves, and scenery for school plays.

Information about Grasshoppers

Grasshoppers are insects that can hop, walk, and fly. Many male grasshoppers make noise by rubbing their back legs together. There are about 10,000 different species of grasshoppers.

Like all insects, grasshoppers have a three-part body (head, thorax and abdomen), six jointed legs, two pairs of wings, and two antennae. Their body is covered with a hard exoskeleton. Grasshoppers breathe through a series of holes called spiracles; they are located along the sides of the body. Most grasshoppers are green, brown, or olive-green. The biggest ones are about 4.5 inches (11.5cm) long.



Indigo Inch



Personality and Learning Style

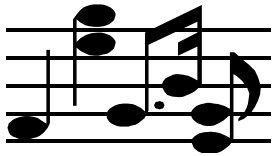
Indigo is a linguistic learner. He values books and likes to talk about what he's read. He has a great memory for names, places, dates and trivia. He loves games and excels when playing word games or practicing tongue twisters. Indigo is a very good speller and always does well on spelling tests. He has a great vocabulary and looks-up words that he doesn't understand when reading a book. He enjoys writing creative stories and likes sharing his stories with others. He communicates his feelings and thoughts to others verbally and is very good at describing how he is feeling. Indigo loves to learn new things.

Information about Inchworms

Inchworm is the name for the larvae of moths of the Geometridae family. Geometridae is a large, cosmopolitan group with more than 1,200 species living in North America. Also called measuring worms, spanworms, and loopers, inchworms lack appendages in the middle portion of their body, causing them to have a characteristic-looping gait. They have three pairs of true legs at the front end, like other caterpillars, but only two or three pairs of prolegs located at the rear end. An inchworm moves by drawing its hind end forward while holding on with the front legs, then advancing its front section while holding on with the prolegs.

Inchworms have smooth, hairless bodies and are usually about one inch long. Many inchworms when disturbed stand erect and motionless on the prolegs, increasing their resemblance to a twig.

Inchworms become geometrid moths, which range in wingspread from 3/8 inch to 2 inches. These moths are gray or brown with fine patterns that provide wonderful camouflage especially when sitting on tree bark.



Inchworm Song

(This is one of Bella Fly's favorite tunes!)

Inch worm, inch worm
Measuring the marigolds
Could it be, stop and see
How beautiful they are

(Chorus:)

Two and two are four
Four and four are eight
Eight and eight are sixteen
Sixteen and sixteen are thirty-two

Inchworm, inchworm
Measuring the marigolds
You and your arithmetic
You'll probably go far

(Repeat Chorus)

Inchworm, inchworm
Measuring the marigolds
Seems to me you'd stop and see
How beautiful they are





Miss L

Personality and Learning Style

Miss L is a spatial learner. She likes to draw and doodle when listening to a class lecture. Her real talent is reading charts, maps and diagrams; this is easier for her than reading actual text. She loves to read books, but prefers books with lots of bright pictures and diagrams. She enjoys solving puzzles, and mazes. On occasion she will create crossword puzzles and share them with her friends and classmates. Miss L loves taking photographs and proudly works with other students to create the school's yearbook. Miss L is a trendsetter with a strong sense of color. She wears bold colors and demonstrates a real sense of style. Miss L particularly likes outfits with polka dots!

Information about Lady Bugs

Ladybugs are small, oval-shaped winged insects. These shiny insects are usually red with black spots or black with red spots on the wing covers. The number of spots identifies the type of ladybug. Most ladybugs are less than $\frac{1}{4}$ inch long. As ladybugs age, the spots fade.

These tiny predators (Coccinellidae family) are helpful in gardens because they eat many garden pests (like mealy bugs and aphids). Birds are the major predator of the ladybug.

