

What Makes It A Bug?

5th Grade -STEM

Overview	Students will watch a video and review with the teacher information regarding insect classification. Students will then work together, using the internet, and classify examples as either insects or something else.
Objective	After watching a video and reviewing insect classification with the instructor, students will be able to distinguish the difference between insects and other animals in the Arthropoda phylum to 100% accuracy.
Standards	5.4.7—Explain that living animals all have different characteristics that lead to evolutionary and classification differences.
Materials	<p>Students need:</p> <ul style="list-style-type: none"> • Computer • Paper • Pencil/pen <p>Instructor needs:</p> <ul style="list-style-type: none"> • Blackboard • Chalk • Video • Television w/ DVD player
Procedure	<ol style="list-style-type: none"> 1. Students will start the lesson by watching a short video about what makes an animal a member of the Insecta class of the Arthropoda phylum. 2. After watching the video, the instructor will briefly describe the project on the blackboard, also breaking down the classifications that lead to an animal being part of the Insecta class. 3. Instructor will then create a list of 10 animals on the blackboard for the students to determine whether or not they are part of Insecta. 4. Students, using their computers, will join instructor's Shareflow domain. There will be two different flows started: one labeled Insecta and one labeled Other. 5. By brainstorming with other students, using the internet, their own notes from the video, and asking the instructor for hints, students will be list the ten animals' names under the appropriate heading.
Evaluation	After the project is concluded, students will be given a short, fifteen question quiz testing the students' knowledge of the animal class Insecta.