



## New Hampshire Agriculture in the Classroom

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<b>LESSON TITLE:</b>	Asia Longhorned Beetle Ring
<b>GRADE(S):</b>	
<b>SUBJECT(S):</b>	science, art
<b>STANDARDS:</b>	
<b>LESSON SOURCE:</b>	Massachusetts Introduced Pests Outreach Blog ( <a href="http://massnrc.org/pests/blog/">http://massnrc.org/pests/blog/</a> )
<b>APPROXIMATE TIME:</b>	30 minutes
<b>MATERIALS NEEDED:</b>	Black construction paper or ALB ring template ( <a href="http://massnrc.org/pests/blog/wp-content/uploads/ALB-Ring-Template.pdf">http://massnrc.org/pests/blog/wp-content/uploads/ALB-Ring-Template.pdf</a> ) Scissors Black and white pipe cleaners (aka chenille stems) White acrylic paint A small paint brush A hole punch (optional)

### INSTRUCTIONS:

1. Sketch an ALB body pattern on black construction paper or print out the ALB ring template (tell the kids that the real ALB is about 1.5 to 2 inches long – the template is bigger so it is easier to work with)
2. Using scissors, cut the ALB pattern out of the paper  
(explain to kids that real ALB bodies are very shiny black, like patent leather)
3. Use the white paint to decorate the ALB body with spots
4. While the paint dries, grab a black and a white pipe cleaner and twist them together to form the ALB antennae – twist stems completely together, end to end
5. Center the antennae around your middle finger and twist around to create a ring with two antennae facing upward (the ALB use these antennae to find one another on the trees)
6. Once your ALB spots are dry, use a hole punch or scissors to cut a small hole in the head of the ALB body
7. Hold the tips of the ALB antennae together and very carefully place them through the hole in the ALB body. Make sure that they are very tight together. If they spread, it may rip the paper
8. Carefully pull the ALB body down over the antennae until it rests on top of the ring. Use caution in this step and make sure that the two sides of the antennae are held together the entire way through the hole. If they spread apart, the hole may rip open.
9. You have finished your ALB ring. Curl around the antennae as you see fit (in nature, they are only slightly curved towards the end, but there is a some room for creativity)

