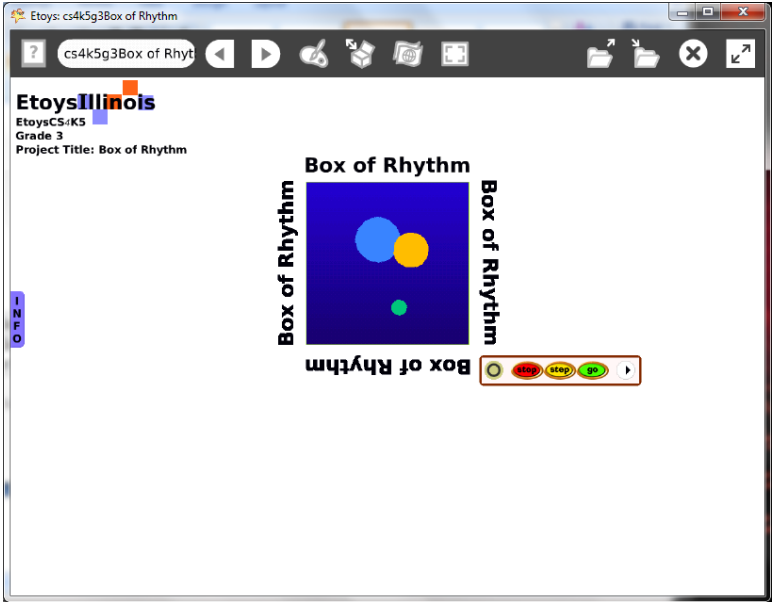


EtoysIllinois
 EtoysCS4K5
Grade 3
Box of Rhythm

Description:	<p>Students will:</p> <ul style="list-style-type: none"> Paint a shape. Make a script with forward and bounce tiles. Record a short sound. Save the sound and add it to the bounce tile in the script. Copy the shape, change its scale factor, and color. Use a playfield to limit the motion. Experiment with different lengths and widths for the playfield. Experiment with forward by values to control the polyrhythm. Experiment with starting location of shapes to control the polyrhythm. Experiment to control the location so all three shapes never touch simultaneously, or so they touch simultaneously every cycle. Add a title. Add a flap if additional information is needed.
Project View	
Subject:	Mathematics, Music
Etoys Quick Guides	Click the question mark in Etoys to open the set of interactive tutorials for basic tools and techniques.

Experiment to control size and speed so that one circle's sound is repeating twice as often as another's sound.

<p>Script Tiles: Scale Factor</p>	<p>Use the scale factor to make exact size ratios between the circles.</p> <p>Give students time to experiment.</p> <p>Give students time to try other student's projects.</p> <p>Give students time to revise their project.</p> <p>Keep the project.</p>
<p>Standards:</p>	<p>Common Core Standards Mathematics: 3.OA.3.7; 3.NF.1.3.b</p> <p>Bloom's Taxonomy/Cognitive Domain: Knowledge: describes, selects Comprehension: estimates Application: constructs, discovers Analysis: analyzes, experiments Synthesis: categorizes, explains Evaluation: compares, reviews</p> <p>NETS: 1. a, b, c 4. a, b, c, d</p>
<p>Resources:</p>	<p>Etoys Help Quick Guides: always available in Etoys. Open Etoys and click the question mark to open a set of interactive tutorials of basic tools and techniques.</p> <p>www.etoysillinois.org projects, lesson plans, software download</p> <p>www.mste.Illinois.org more math, science, and technology resources</p> <p>www.corestandards.org Common Core Standards</p> <p>www.squeakland.org software and Etoys projects</p> <p>www.nctm.org Standards and Focal Points for each grade level</p>
<p>kh February 2011</p>	