CLIXO
Classroom

The Longest Snake

Activity Guide

Online Activity Page

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Overview

Creating a long Clixo snake can be a fun and creative activity for students to learn how to contribute their individual building skills into a collaborative group goal. Manipulating the Clixo pieces and adjusting the construction size and balance allow students to learn through trial and error, and practice physics new skills.

Materials for Each Student

- Multiple Clixo pieces, depending on length and number of participants.
- Flat surface or long table
- (Optional) Paper, scissors, colorful markers/pencils

Ages

K-5th Grade

Duration

45 mins

Skills

- Spatial awareness
- Creativity
- Storytelling
- Design
- Collaborative play
- Physics



Introduce

- Distribute the Clixo pieces: Collect as many Quad Clixo pieces as possible. The more pieces you have, the longer your snake can be. Begin by having each student start with four to six (4-6) Clixo Quad pieces.
- Introduce the Clixo pieces, and explaining how they can bend, flex and combine with each other.



Build & Create

- **Start the snake's body:** Each student on their own or in pairs should lay the four (4) Quads flat and connect every two edges to the other piece, to form a flat four-piece square. Then roll the pieces edges towards each other, forming a "tube".
- **Extend the snake:** Connect two more Clixo pieces together, and roll them towards each other. Then connect that piece to the edge of the 4 piece "tube".
- **Combine small snakes into a large one:** Then ask the students to work with partners or as a group, and connect their snakes to each other, forming a long snake.

- **Create a super-snake:** After they run out of their own pieces, ask them to repeat this process by connecting their snakes with the rest of the group, to form one long snake. Add pieces until you have achieved the desired length for your snake.
- **Experiment with shapes:** Ask students to explore different shapes and patterns as they build the snake. They can add bends, curves, or loops to make the snake more interesting. Remember, the flexibility of Clixo allows for creative and unique designs.
- **Test the snake's flexibility:** Once the snake reaches a considerable length, measure it, and test its flexibility by moving it around to create clicking sounds, and test how many students are needed to transport. The Clixo pieces allow for easy bending and twisting, so students can shape the snake as they wish.
- **Decorate the snake:** Get creative and decorate the snake using additional Clixo pieces such as Flap, Flop, Two-Dot and Three-Dot. Students can also add eyes, patterns, or colorful accents using paper to give the snake a unique personality.
- **Take photos or videos:** Capture the masterpiece! Encourage students to document their longest Clixo snake creation by taking photos or making a video to showcase their accomplishment.

Share and Reflect

- Ask students to present their creation, and share their building process.
- Display the Clixo snake in the classroom, or ask the students to take it apart and stack all of the Clixo pieces together as fast as they can.

Tips

- ✓ Provide guidance and supervision while the students are using the Clixo pieces, markers and scissors.
- ✓ Students can always modify and rebuild their snakes to create new designs or try to beat their own record for the longest snake.
- ✓ Make sure the students aren't cutting the Clixo pieces, only the paper.
- ✓ Repeat this activity with a different – the tallest tower, largest ball, or longest bridge.

Educational Standards

CCSS MATHEMATICS

CCSS.MATH.CONTENT.K.MD.A.1
Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.

CCSS.MATH.CONTENT.1.MD.A.1
Order three objects by length; compare the lengths of two objects indirectly by using a third object.

CCSS.MATH.CONTENT.2.MD.A.1
Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

CCSS.MATH.CONTENT.3.MD.A.1
Tell and write time to the nearest minute and measure time intervals in minutes.

CCSS ENGLISH LANGUAGE ARTS STANDARDS

CCSS.ELA-LITERACY.W.K.2
Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.

CCSS.ELA-LITERACY.W.1.2
Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

CCSS.ELA-LITERACY.W.2.2
Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.

CCSS.ELA-LITERACY.W.3.2
Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

ISTE STANDARDS FOR STUDENTS

Creative Communicator
Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats, and digital media appropriate to their goals.

Innovative Designer
Students use a variety of technologies within a design process to identify and solve problems by creating new, useful, or imaginative solutions.

Empowered Learner
Students leverage technology to take an active role in choosing, achieving, and demonstrating competency in their learning goals, informed by the learning sciences.