



ROBOTICS

Grades 4-8

STUDENTS WILL LEARN ROBOTICS TOGETHER

The younger students will go on a treasure hunt, then the older students will teach the younger students to code.

CIAO!

10 min

Ciao is Italian for hello!

Greet your students. Be friendly. Use their name, ask a question, give a high five, or thumbs-up! Take roll. Mark down which students took a snack and tally how many snacks were given out.

STORY & SNACK

20 min

Read the story:

Today's story is Pirates Use Maps and so do we . Read to your students outside as they sit in a circle.

SPORTS / GAMES

30 min

Hot Potato Water Ball

Players will sit in a circle. The instructor will give one person a water ball. When the music begins the players will pass around the water balls. When the music stops, the player with the water ball must hold it over their head and squeezed! The game continues until the instructor decides.

Materials:

- Bucket full of water and water balls
- Music



STEM TIME

50 min

Materials:

- Robots
- Micro:bits
- Chromebooks



JOURNALING / FREE PLAY

20 min

CLEAN UP / DISMISSAL

20 min

Treasure Hunt and Robotics

Grades K-3 will go on a treasure hunt and follow the maps that their older schoolmates made yesterday. Then students in grades 4-8 will pair up and teach students in grades K-3 what they have learned about coding. Afterwards, younger students will play with their robots, and the older students will play the Brine Shrimp Game on the STEM Taught website.

Instructions:

1. Grades K-3 will exchange their maps with grades K-3.
2. Students will go on a treasure hunt to find the treasure buried in the school yard.
3. Students from Grades 4-8 will pair up with students in grades K-3, and teach them how to code a robot.
4. K-3 will continue to play with their robots
5. 4-8 will play the Brine Shrimp game found here:
<https://www.stemtaught.com/g4shrimpgamepart1>
6. Have grades 4-8 watch this video about the game:
<https://www.youtube.com/watch?v=kbU42G49aEg>

Instructions:

Say - "Today you got to teach robotics, and play the Brine Shrimp game! Write about your experience."

Clean up/pack up/dismissal

Clean up, pack up and practice lining up.