



PROGRAMMING AND INSTRUMENTS

Grades K-3/Grades 4-8

DAY 1: MAKE INSTRUMENTS

K-3 Students will program the robots.

4-8 Students will make a straw kazoo and instruments from discarded materials.

ZDRAVO!

5 min

SNACK & FREE PLAY

30 min

STORY TIME

15 min

STEM TIME

50 min

Materials:

- Chromebooks
- Robots
- Legos

Materials:

- Scissors
- Glue
- Tape
- Paper cups
- Boxes
- Cans
- Popsicle sticks
- Chopsticks
- Egg cartons
- Milk jugs
- Toilet paper tubes
- Rubber bands
- Other items

Zdravo is Bosnian 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.

Enjoy Free Play:

Students will have their snack and enjoy time to free play.

Read the story:

Read to your students outside as they sit in a circle. Older students may choose to read their own books.

Grades K-3: Programming

Instructions:

STEM Coaches will go to the portal and help students with the next Edison programming lesson they are on. Students may choose to build a Lego creation on top of their robots.

Link to portal: <https://www.stemexpandedlearning.com/robotics>

Grades 4-8: Make a kazoo and your own instrument

Students will make a straw kazoo, then make a musical instrument using materials that they collect and reuse. The students will have two days to do this activity. On Friday they will get to use their instruments to have a concert performance day.

Kazoo instructions:

Say- "A drinking straw can vibrate in a way similar to a clarinet reed. Today we will use a drinking straw to make a reed kazoo!"

1. Have students bite the end of a straw so that it is flat.
2. Students cut the end of the straw to make a triangular point.
3. Students put their lips near the triangular point and blow to play their kazoos; they can cut their straw shorter or cut a hole in it to get a higher note.
4. Have students take their instruments outside to play them. Encourage the students to try and perform a song on their instrument and then stand up and perform it for the group. Students love getting to perform so give them some practice time. They can choose if they want to form a band or perform solo.



Make your own instrument Instructions:

1. Have students take out the materials they brought in from home.
2. Give students time to make their instruments. Guide students if necessary; inform them that sound is made when materials vibrate.
3. If students have finished their instrument, they can begin preparing for the concert day. They might choose to do a solo act or form a band with their friends. They can pick a song and practice their song. If they want to have backup dancers or sing they are welcome to! They will have time be given time on concert day to finish their instrument and practice as well.

Ask: Can you make different notes and sounds? Loud and soft sounds? How?

SPORTS / GAMES

25 min

Materials:

 Chalk

* Older students may choose to practice their sport instead of playing the game of the day.

HOMEWORK / FREEPLAY

20 min

CLEAN UP / DISMISSAL

5 min

Hopscotch

Students will create their own hopscotch patterns using chalk, and play hopscotch on their peers' patterns.

Instructions- Take the students out to an area where they can use chalk. Let them pair up with friends, or make their own hopscotch patterns. Encourage them to be creative! When the students have completed their hopscotch patterns, invite them to try each other's hopscotch patterns out! If they want to create a maze, or a chalk city for their peer's to walk through, allow them to harness that creativity and see where it takes them!

Instructions:

Allow your students some homework time. If they need help let them know you can help them. If they do not have any homework they can have some reading time, or they can have free time to go outside and play.

Clean up/pack up/dismissal

Clean up, pack up and practice lining up.

