

Take Note(ation)

The skill of reading sheet music involves many computational thinking skills, including symbol/ pattern recognition, sequencing, and abstraction.

This activity teaches students how to translate sheet music into code and play it through their SimBot or physical robot.

Teacher Prep

- Gather and print sheet music to share with students (see example “Baby Shark” sheet music)
- Review Music Blocks and their editors in the iRobot CodeSpace

With the Class

- Ask students to select their sheet music for notation
- In the iRobot CodeSpace, use Level 1 code and drag out a Music Block.
- Tap on the Music Block to open the Music Editor. Demonstrate to students how to select different notes, octaves, and tones.
- Challenge students to build their code for their robots or SimBots.

Subject(s):

Coding/Robotics
Music

Experience Level:

Beginner

Time:

30-45 minutes

Group Size:

1-3

Supplies:

Printed Sheet Music
iRobot CodeScape App or
webpage
iRobot Root (optional)

Extension:

Can you challenge students to code their robots or SimBots to perform in harmony? What about as a robot acapella group?

