

pencilcode.net Lesson Ideas

Lesson 1:

Objective: explore with coding and sound; review of a Major Scale and Octaves

Materials:

- Laptops
- pencilcode.net>First Notes
- pencilcode.net>A Simple Tune
- Worksheet to fill in and report their findings

Activity:

1. Go to pencilcode.net.
2. Under Jam click on the "Make Music" button.
3. Notice you are in the "First Notes".
4. Can you hear it? Plug in your headphones; check your volume. Try spelling a word that uses the letters A, B, C, D, E, F, and G.
5. Experiment with the notes. After you spell a word with notes, can you change your melody with commas, periods, numbers, and apostrophes.
6. Choose "A Simple Tune"
7. The tune for Twinkle Twinkle Little Star needs a few more notes. This program plays the notes using a piano object that shows the piano keys as they play. Experiment with notes and try to complete the tune.
8. To get the rhythm right, Twinkle Twinkle needs a rest. Rest for a beat using Z. Try putting the rest in the right place.
9. You can use a glockenspiel if that will help you learn the notes to code the song.
10. Ready? Code your own song. Use a glockenspiel if that will help you code the correct pitches. Don't forget to get the correct rhythm to your song too!