

We have learned a lot about sound waves and how they behave at different frequencies. Now it is time to put that knowledge into practice by creating a composition using the harmonic series of your instrument. The harmonic series based off of concert Bb looks like this:

The image shows a musical score for four instruments: Flute, Clarinet/Trumpet, Alto Saxophone, and Bass Clef. The score is in 4/4 time with a tempo of 80. The key signature is Bb. The notes are arranged in a harmonic series starting from the root note Bb. The notes are: Bb (root), Cb (second), D (third), Eb (fourth), F (fifth), G (sixth), Ab (seventh), Bb (octave). The notes are written on staves for each instrument. The notes are color-coded: red for notes not possible on the instrument, and green for notes possible on the instrument. The notes in red are Cb, Eb, and Bb (octave). The notes in green are D, F, G, and Ab.

Notes that are in red are not possible on your instrument, so do not worry about them. The other notes you may not know, but I can help you figure them out if you are interested. You can also just play the notes you know.

If you are in middle school, you will be creating a duet for you and a friend to perform. The beauty of the Harmonic series is that all of the notes sound pretty (consonant) together (rather than dissonant).

If you are in 4th and 5th grades, you will just be creating a solo for this project using the notes from the Harmonic series that you know and the rhythms we have worked on in band (whole, half, quarter, and eighth notes/rests).

**Your work must be 8 at least eight measures of 4/4 time. Please give your composition dynamics, a tempo, the key signature displayed above, and a double barline at the end of your piece. And, don't forget a title!**