

# FLUTEFILES NO 1: HARMONICS

These chords show the first five notes of the harmonic series.

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②

16

41

Harmonics are a series of notes that we can produce using the same fingering.

Every time you split or crack a note, that split note is a harmonic.

We practice them in order to help control the air stream, to become more flexible, to strengthen the embouchure, and to help with pitch control.

Play the first note of each line, that is the base note or fundamental.

Then keeping the same fingering blow a little harder to make the air-stream travel faster and a little higher. When the note splits to sound an octave higher, that is the first harmonic.

You change the note by controlling the air speed and direction, not by changing the fingering. This allows you to focus your attention on your tummy muscles and embouchure.

Practice your harmonics on any note. The lower your base note, the more harmonics you'll get. Give them a try, experiment and see what notes you can play.

The top notes are the hardest, so miss them out if they are too difficult.

Try some improvisation or play a melody only using harmonics.

Try some Ghost Harmonics to help soft playing in the 3rd octave.

This is where you finger a top register note and blow very softly to get the lowest fundamental sounding. Using that as your base note, gradually increase and lift the air speed until you arrive at the top note.

These will also help you with flexibility embouchure and pitch control.