

The full chromatic scale employed in Harmony Signing

Quite early in the development of Harmony Signing with members of a children's choir, it became apparent that limiting the numbers of signs for representing melodic pitch to the 12 visible on the piano keyboard proved preferable to employing the 21 signs required to reflect the theoretical location of pitches within the extended tonal system. As a consequence, enharmonic equivalences are embraced:

$C\# = D\flat$; $D\# = E\flat$; $F\# = G\flat$; $G\# = A\flat$; and $A\# = B\flat$.

Recall that the majority of performative responses to Harmony Signing are in the form of wordless singing (or, eventually, instrumental playing). From that perspective, it is the sounds of pitches that counts, not the notational conventions required to represent them, nor their relationship to practising scales.

As a consequence, Harmony Signing employs in the gestures presented by the right hand a 12-note chromatic scale that can be conceived in Sol-Fa terms as:

Doh-Di-Re-Ma-Mi-Fa-Fi-Soh-Si-La-Ta-Ti-Doh¹

An effective means of learning the relative intervallic tunings of this array is to divide a group into two, one of which sustains the drone while the other is led through the intervallic potential of the chromatic scale. On completion of this, the groups can swap, so that everyone experiences the intervallic consequences from both perspectives. Even more formative of Harmony Signing confidence is to have everyone sign what is happening while they sing, experiencing aurally the consequences of the gestures while enacting them.

Melodic line *Doh-Di-Doh-Re-Doh-Ma-Doh-Me-Doh-Fa-Doh-Fi-Doh-Soh-Doh-Si-*
Drone *Doh* _____

Doh-La-Doh-Ta-Doh-Ti-Doh-Doh¹ (switch to Drone on Doh¹) _____
(Doh) _____ (switch to melodic response) *Doh¹-Ti- Doh¹-Ta- Doh¹-*
(Doh¹) _____ *Doh* _____
La-Doh¹-Si-Doh¹-Soh-Doh¹-Fi-Doh¹-Fa-Doh¹-Mi-Doh¹-Ma-Doh¹-Re-Doh¹-Di- Doh¹-Doh _____

Here is a more advanced, integrated version of this, which should be performed slowly so that the sound of each interval can be experienced clearly in its unique sonority:

Voice 1 *Doh-Di-Doh* _____ *Re-Doh* _____ *Ma-Doh* _____ *Mi-Doh* _____ *Fa-Doh* _____
Voice 2 *Doh* _____ *Di-Doh* _____ *Re-Doh* _____ *Ma-Doh* _____ *Mi-Doh* _____ *Fa-Doh* _____

Fi-Doh _____ *Soh-Doh* _____ *Si-Doh* _____ *La-Doh* _____ *Ta-Doh* _____ *Ti-Doh* _____ *Doh¹-Doh* _____ *Doh¹* _____
(Doh) *Fi-Doh* _____ *Soh-Doh* _____ *Si-Doh* _____ *La-Doh* _____ *Ta-Doh* _____ *Ti-Doh* _____ *Doh¹-Doh-Doh¹* _____

Doh¹ _____ *Ti-Doh¹* _____ *Ta-Doh¹* _____ *La-Doh¹* _____ *Si-Doh¹* _____ *Soh-Doh¹* _____ *Fi-Doh¹* _____ *Fa-*
Doh¹-Ti-Doh¹ _____ *Ta-Doh¹* _____ *La-Doh¹* _____ *Si-Doh¹* _____ *Soh-Doh¹* _____ *Fi-Doh¹* _____ *Fa-Doh* _____

Doh¹ _____ *Mi-Doh¹* _____ *Ma-Doh¹* _____ *Re-Doh¹* _____ *Di-Doh¹* _____ *Doh* _____ ||
_____ *Mi-Doh¹* _____ *Ma-Doh¹* _____ *Re-Doh¹* _____ *Di-Doh¹* _____ *Doh* _____ ||

to take this chart away and think for themselves about what makes each interval distinctive to them, playing them on a keyboard, or in collaboration with a friend, until the specific character of each interval is revealed. Similarly, in the final column, it proves far more memorable if students select for themselves the occurrence of each interval in repertoire with which they are themselves personally familiar than providing lists of songs that it is assumed they know, but which may provide little enlightenment if they do not.

Given the range of pitches now available, it is possible to explore the harmonic and melodic properties of [The whole tone scale] and [The octotonic scale/second mode of limited transposition].