

# Worship Team Training

## Downloadable Music Studies

Worship Team Training - Branon Dempsey

### Understanding How Scales Are Built Scale Construction

Half Step      Whole Step  
     $\frown$              $\wedge$

Comprised of Half and Whole Steps. (1/2 steps are between E&F and B&C)  
Refer to the Piano Keys for a visual example.

#### Major Scale

*Examples in the C Major and a minor scales*

Diagram illustrating the C Major scale. The guitar fretboard shows fret numbers: 3, 0, 2, 3, 0, 2, 0, 1. The piano keyboard diagram shows the scale from C4 to C5, with intervals labeled M2 (Major 2nd) and m2 (minor 2nd).

#### Natural (pure) minor scale (played the same down scale)

Diagram illustrating the Natural (pure) minor scale. The guitar fretboard shows fret numbers: 0, 2, 3, 0, 2, 3, 0, 2. The piano keyboard diagram shows the scale from C4 to C5, with intervals labeled M2 (Major 2nd) and m2 (minor 2nd).

#### Harmonic minor scale (played the same down scale)

Diagram illustrating the Harmonic minor scale. The guitar fretboard shows fret numbers: 0, 2, 3, 0, 2, 3, 1, 2. The piano keyboard diagram shows the scale from C4 to C5, with intervals labeled M2 (Major 2nd) and m2 (minor 2nd). The 7th degree (B) is raised to B#.

#### Melodic minor scale (played differently up and down)

*Cancel sharped notes going down-scale.*

Diagram illustrating the Melodic minor scale, showing ascending and descending patterns. The guitar fretboard diagrams show fret numbers for ascending (0, 2, 3, 0, 2, 4, 1, 2) and descending (2, 0, 3, 2, 0, 3, 2, 0). The piano keyboard diagrams show the scale from C4 to C5 and back down, with intervals labeled M2 (Major 2nd) and m2 (minor 2nd). The 7th degree (B) is raised to B# in the ascending scale and lowered to Bb in the descending scale.

**Modes** Invented by the Ancient Greeks and made popular in the Middle Ages, Modes are scales built on major and minor intervals out of a diatonic scale. Each modal scale is built on a given tonic or scale degree (1-7 notes of a Major Scale) and new pitches are formed as a subset scale based its tonic. Modes are built from the Diatonic Scale and are transposed containing 7 notes + the tonic, like regular Major and minor scales. Notice how each note of the Diatonic Scale acts as its own tonic, forming new scales on the scale degrees.

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### Diatonic (Major) Scale with Modes

Ionian (Major) Dorian Phrygian Lydian Mixolydian Aeolian (minor) Locrian

1 2 3 4 5 6 7 1

Scale Degree/Interval

Ionian (Major Scale) Dorian Phrygian

1st Scale Degree 2nd Scale Degree 3rd Scale Degree

Lydian Mixolydian Aeolian (minor) Locrian

4th Scale Degree 5th Scale Degree 6th Scale Degree 7th Scale Degree

### Contemporary Scales (20th Century)

**Pentatonic Scale**  
(Relative Minor) in C.

**Blues Scale** in C.

**Jazz Diminished Scale** in C.

**Whole Tone Scale** in C.

Pentatonic Scale (Relative Minor) in C. Blues Scale in C. Jazz Diminished Scale in C. Whole Tone Scale in C.

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