



PRESENTS
JAZZ WORKSHOP SERIES

A faint, light gray image of a violin is centered in the background of the page, behind the main text.

Violin Master Class

Chord Scales and Arpeggios (Bass Clef)

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MODES OF THE C MAJOR SCALE

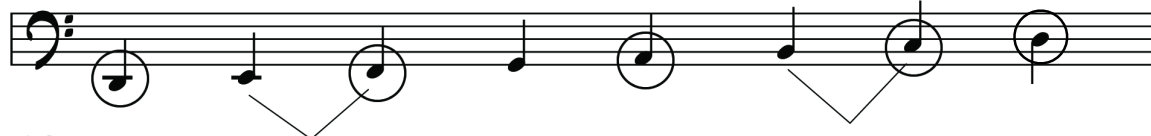
C IONIAN



CHORD FORMED BY
CIRCLED NOTES

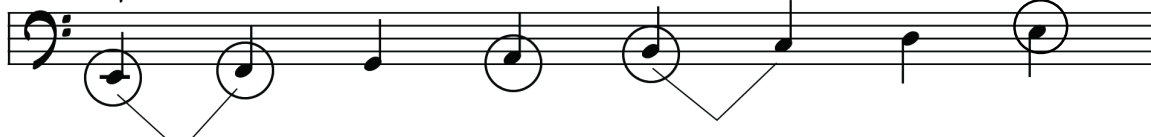
CMA7

D DORIAN



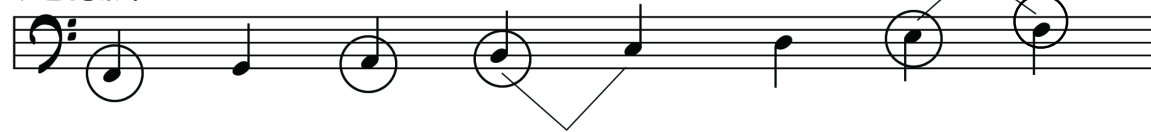
Dmin7

E PHRYGIAN



Esusb9

F LYDIAN



FMA7 b5

G MIXOLYDIAN



G7

A AEOLIAN



Amin b6

B LOCRIAN



Bmin7 b5

Cello

Modes in C

scale and arpeggio exercise

C Ionian

1 -1



D Dorian



D min7



E Phrygian



E susb9



F Lydian

FMaj7 $\flat$ 5

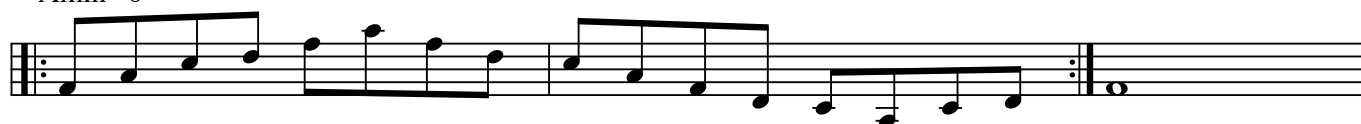
G Mixolydian



G7



A Aeolian

Amin^b 6

B Locrian

Bm7^b5

Order of Modes "in a Key Signature"

	<u>4 Note Arpeggios</u>	<u>Pentatonic Voicings</u>
Maj7 (Ionian)	1_3_5_7	Major pent. on root or 5th
min7 (Dorian)	1_3_5_7	Dorian pent. on root, or minor pent. on root, or minor pent. on 5
susb9 (Phrygian)	1_2_4_5	Dorian pent. on 7th (resulting chord is a 7susb9)
Maj7b5 (Lydian)	1_3_4_7 (#4 replaces 5th)	Dorian pent. on 6th or Major pent. on 2nd
7 (Mixolydian)	1_3_5_7	Major pent. on root, Dorian pent. on 5th, or mixo. pent. on root
minb6 (Aeolian)	1_3_5_6	Minor pent. on root or Aeolian pent. on root
m7b5 (Locrian)	1_3_5_7	Dorian pent. on 3rd

Definitions:

Major Pentatonic is 1_2_3_5_6 of the major scale.

Minor Pentatonic is 1_3_4_5_7 of the minor scale (it's the relative minor of major pentatonic).

"Dorian Pentatonic" is 1_2_3_5_6 of the dorian mode.

"Mixolydian Pentatonic" is 1_3_4_5_7 of the mixolydian mode.

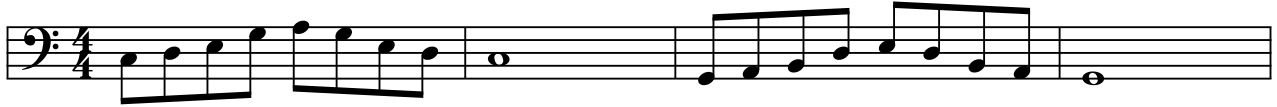
"Aeolian Pentatonic" is 1_2_3_5_6 of the aeolian mode

Pentatonic Scales* on the Modal Chord Vamps in the Key of C

5

On Cmaj7 try C major pentatonic or

G major pentatonic...



On Dmin7 try D minor pentatonic, D dorian pentatonic

or A minor pentatonic



On Esusb9 try D dorian pentatonic



On Fmaj7 b5 try D dorian pentatonic

or G major pentatonic



On G7 try G major pentatonic

or D dorian pentatonic...



OR... the Bmin7b5 "shape"

or the Fmaj7b5 "shape"



On Aminb6 try A minor pentatonic

or A aeolian pentatonic



On Bmin7b5 try D dorian pentatonic



In some cases you will want to 'orient' these pentatonic scales away from their roots. For instance, emphasizing 'C' in the first example will sound rather bland. Try giving more weight to 'E', 'A', or even 'G'. Or in the last example, give 'B' more weight than 'D'. If you use your ears, these choices will be pretty obvious.

*and a couple of other shapes!

"L.I.M.O.A.P.L."

6

CELLO

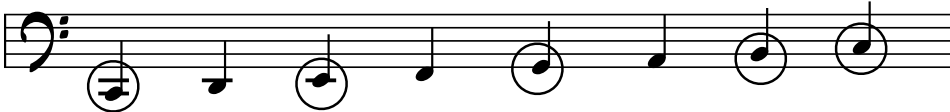
C LYDIAN

CHORD FORMED BY
CIRCLED NOTES



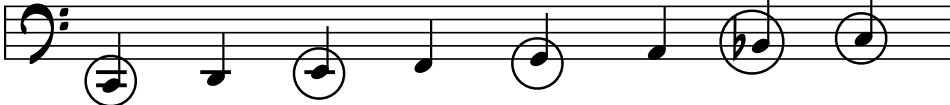
CMA7 b5

C IONIAN



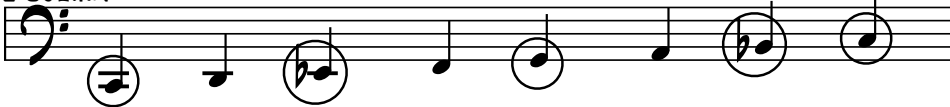
CMA7

C MIXOLYDIAN



C7

C DORIAN



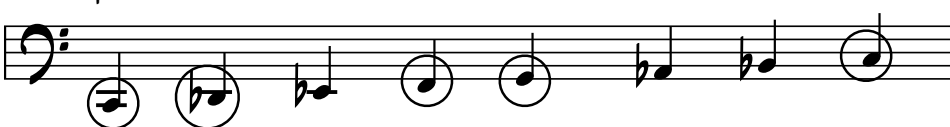
Cmin7

C AEOLIAN



Cmin b6

C PHRYGIAN



Csus b9

C LOCRIAN



Cmin7 b5

L I M O A P L
+4 - 7 3 6 2 5

Major Keys and Key Signatures

C: -

F: Bb

Bb: Bb, Eb

Eb: Bb, Eb, Ab

Ab: Bb, Eb, Ab, Db

Db: Bb, Eb, Ab, Db, Gb

Gb: Bb, Eb, Ab, Db, Gb, Cb

F#: F#, C#, G#, D#, A#, E#

B: F#, C#, G#, D#, A#

E: F#, C#, G#, D#

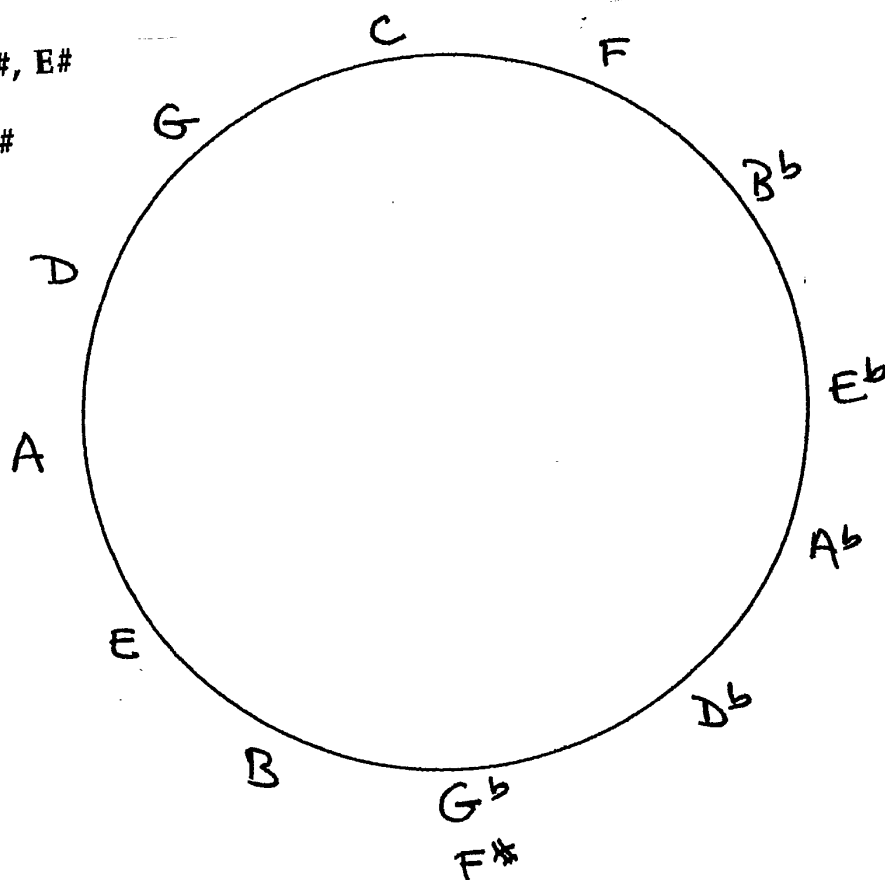
A: F#, C#, G#

D: F#, C#

G: F#

C: -

The Circle of 5ths



Minor Keys start on 6th degree of Major Scale

for example: A minor = C major
starting on A and ending on A

Mode Cycle on C scales and arpeggios

LYDIAN

2 4 -1

or M7 $\flat$ 5 2 -1 -3

These whole notes are optional at the end of every line.

IONIAN

M 7

MIXOLYDIAN

1 3 -2 4

7

DORIAN

3 -1 -1

m 7

AEOLIAN

m $\flat$ 6

PHRYGIAN

sus $\flat$ 9

LOCRIAN

m7 $\flat$ 5

Order of Modes on a Single Tonal Center ("LIMDAPL")

	<u>4 Note Arpeggios</u>	<u>Pentatonic Voicings</u>
Maj7b5 (Lydian) (major scale w/raised 4th)	1_3_4_7 (#4 acts as 5th)	Dorian pent. on 6th or Major pent. on 2nd
Maj7 (Ionian) (lower the 4th)	1_3_5_7	Major pent. on root or 5th
7 (Mixolydian) (lower the 7th)	1_3_5_7	Major pent. on root, Dorian pent. on 5th or Mixolydian pent on root
min7 (Dorian) (lower the 3rd)	1_3_5_7	Dorian pent. or minor pent. on root , or minor pent. on 5
minb6 (Aeolian) (lower the 6th)	1_3_5_6	Minor pent. on root or aeolian pent. on root
susb9 (Phrygian) (lower the 2nd)	1_2_4_5	Dorian pent. on 7th (resulting chord is a 7susb9)
m7b5 (Locrian) (lower the 5th)	1_3_5_7	Dorian pent. on 3rd

Definitions:

Major Pentatonic is 1_2_3_5_6 of the major scale.

Minor Pentatonic is 1_3_4_5_7 of the minor scale
(it's the relative minor of major pentatonic).

"Dorian Pentatonic" is 1_2_3_5_6 of the dorian mode.

"Mixolydian Pentatonic" is 1_3_4_5_7 of the mixolydian mode.

"Aeolian Pentatonic" is 1_2_3_5_6 of the aeolian mode

LIMDAPL Chords (viola edition)

Numbers indicate number of notes in lowest position frame for each chord type.

Play the 10 note frames as 2 bars of 8th note triplets in 3/4 time.

Play the 9 note frames as 2 bars of 8th notes in 4/4.

	L	I	M	D	A	P	L
C	10	10	10	10	10	10	10
Db	10	10	9	9	10	10	10
D	10	10	10	10	10	10	10
Eb	10	10	10	10	10	9	10
E	9	9	10	10	*11	9	10
F	9	10	10	10	10	9	9
Gb	9	9	10	10	10	9	10
G	9	9	9	9	9	10	9
Ab	10	10	10	9	9	10	9
A	10	10	10	10	9	10	10
Bb	10	9	9	9	9	9	9
B	9	9	9	9	9	10	9

Lydian: Major 7 b5

Ionian: Major 7

Mixolydian: Dominant 7

Dorian: Minor 7

Aeolian: Minor 7 # 5

Phrygian: Sus 4 b9

Locrian: Minor 7 b5

*The Bm7 #5 frame works well in quintuplets.