

Major Scales

Key-S		Pattern	1 Oct	2 Oct
-	C Major	Open and 4th		
1 #	G Major	Open and 4th (Finish 134, 4th pos)		
2 #	D Major	1st and Open		
3 #	A Major	1st and up A (13-13-123)		
4 #	E Major	No open		
5 #	B Major	No open		
6 #	F# Major	No open		
1 <i>b</i>	F Major	4th and 2nd (Finish 12, 4th pos)		
2 <i>b</i>	B \flat Major	2nd and x1 (Finish 1x23)		
3 <i>b</i>	E \flat Major	2nd and x1		
4 <i>b</i>	A \flat Major	No open		
5 <i>b</i>	D \flat Major	No open		
6 <i>b</i>	G \flat Major	No open		

Patterns

Open	0134 0134	No shifts
4th	4 0124 012	No shifts
1st	1x24 01x24 0	No shifts, forward extensions
2nd	24 0x124 0x1	No shifts, backward extensions
x1	x12-up-124 back-cross 134	Shift up after 1st 2, then back at string cross
No open	1x24 1x24 124 124 134 T S T T	Two octave pattern At string crossings, shift back, unless out of space, then shift up

Harmonic Minor Scales

Key-S		Pattern	1 Oct	2 Oct
-	A Minor	1st and up A (12-13-134)		
1 #	E Minor	x2 and No open		
2 #	B Minor	x2 and No open		
3 #	F# Minor	No open		
4 #	C# Minor	No open		
5 #	G# Minor	No open		
6 #	D# Minor	No open		
1 <i>b</i>	D Minor	1st and Open		
2 <i>b</i>	G Minor	Open and 4th		
3 <i>b</i>	C Minor	Open and 4th		
4 <i>b</i>	F Minor	No open		
5 <i>b</i>	B \flat Minor	No open		
6 <i>b</i>	E \flat Minor	No open		

NB. Minor scale fingerings are less organised than Majors!

Open	0124 0x1x34	No shift-low 1, high 3
1st	134 012x4 0	No shift-low 2, high 4
4th	4 0x124-shift-1x34	Shift to semi-tone below 4th pos
x2	24 0134 x12	Start semi-tone up, 1st pos, ½ pos
No open	134 134 124 1x24 1x34	As with Majors

Harmonic Minor Scales have sharpened 7th compared to key signature

Melodic Minor Scales

Key-S		Pattern	1 Oct	2 Oct
-	A Minor	1st and up A (12-13-134)		
1 #	E Minor	x2 and No open		
2 #	B Minor	x2 and No open		
3 #	F# Minor	No open		
4 #	C# Minor	No open		
5 #	G# Minor	No open		
6 #	D# Minor	No open		
1 b	D Minor	1st and Open		
2 b	G Minor	Open and 4th		
3 b	C Minor	Open and 4th		
4 b	F Minor	No open		
5 b	Bb Minor	No open		
6 b	Eb Minor	No open		

Melodic Minor fingerings are similar to Harmonic

Harmonic Minor scales have a low 6th note and high 7th note - Melodic Minor scales have high 6th and 7th notes on the way up and low 6th and 7th notes on the way down.

Upward scale last 3 notes match Major scale, downwards it matches natural minor (notes in key signature)

Major Arpeggios

Key-S		Pattern	1 Oct	2 Oct
-	C Major	Open and 4th		
1 #	G Major	Open (1) and 1st (finish 4th)		
2 #	D Major	1st (finish open) and Open		
3 #	A Major	SA Both (1 octave 1st)		
4 #	E Major	4th and SA		
5 #	B Major	SA Both (1 octave 4th)		
6 #	F# Major	4th and SA		
1 <i>b</i>	F Major	4th and SA		
2 <i>b</i>	B \flat Major	SA Both (1 octave 2nd)		
3 <i>b</i>	E \flat Major	2nd and SA		
4 <i>b</i>	A \flat Major	SA Both (1 octave either 1st or 4th)		
5 <i>b</i>	D \flat Major	1st (finish 4th) and 4th		
6 <i>b</i>	G \flat Major	4th and SA		

Patterns - Notes in brackets are alternatives

Open	03 04	No shifts. No extensions. (except G, which finishes on shift to 1st finger)
4th	4 14 2	No shifts. No extensions.
1st	1x4 1 (04)	Two options, finishing open or 4th. If 4th, shift up a semitone before last note. Start with forward extension.
2nd	2 02 x1	No shift. Backward extension.
SA	(12)-1(34) 2	One note (either 1st or 2nd) then shift up same string. 1 and either 3 or 4 (4 below 4th position, 3 above) then 2 in same position on next string.

Minor Arpeggios

Key-S		Pattern	1 Oct	2 Oct
-	A Minor	SA Both (1 octave 1st)		
1 #	E Minor	3rd and SA		
2 #	B Minor	SA Both (1 octave 3rd)		
3 #	F# Minor	4th and SA		
4 #	C# Minor	1st (4) and 4th		
5 #	G# Minor	SA Both (1 octave 1st)		
6 #	D# Minor	1st (4) and 4th		
1 <i>b</i>	D Minor	1st (0) and Open		
2 <i>b</i>	G Minor	Open (1) and 1st (4)		
3 <i>b</i>	C Minor	Open and 4th		
4 <i>b</i>	F Minor	4th and SA		
5 <i>b</i>	B \flat Minor	SA Both (1 octave 1st)		
6 <i>b</i>	E \flat Minor	1st and 4th		

Patterns

Open	02 04	No shifts. No extensions.
4th	4 x14 2	No shifts. Extend back for 1st finger. 4 in same position on both strings.
1st	14 1 (04)	Two options, finishing open or 4th. If 4th, shift up a tone before last note. No extension.
3rd	3 03 1	No shift. No extension.
SA	(123)-1x(34) 2	One note (either 1st, 2nd or 3rd) then shift up same string. 1 extend to either 3 or 4 (4 below 4th position, 3 above) then 2 in same position on next string.