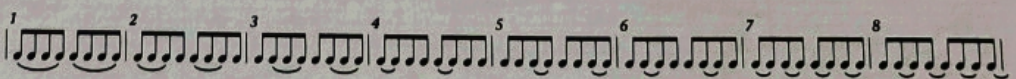


*Technical Exercises in the Key of C (Concert Bb)**Major Scale**Natural Minor**Harmonic Minor**Melodic Minor**Mini-Scale & Tonic Arpeggio*

Scale Pattern 1 *articulations: 

Scale Pattern 2*

Two staves of music in treble clef, 2/4 time. The top staff contains a sequence of eighth-note patterns: four groups of four eighth notes ascending, followed by two groups of two eighth notes descending. The bottom staff contains a continuous eighth-note scale: C4-D4-E4-F4-G4-A4-B4-C5, followed by a descending eighth-note scale: B4-A4-G4-F4-E4-D4-C4.

Scale in Thirds*

Two staves of music in treble clef, 2/4 time. The top staff contains a sequence of eighth-note patterns: four groups of two eighth notes ascending (C4-D4, E4-F4, G4-A4, B4-C5), followed by two groups of two eighth notes descending (B4-A4, G4-F4, E4-D4, C4). The bottom staff contains a continuous eighth-note scale: C4-D4-E4-F4-G4-A4-B4-C5, followed by a descending eighth-note scale: B4-A4-G4-F4-E4-D4-C4.

Interval Study

One staff of music in treble clef, 2/4 time. The melody consists of eighth-note intervals: C4-D4, E4-F4, G4-A4, B4-C5, A4-G4, F4-E4, D4-C4, B4-A4, G4-F4, E4-D4, C4-B3, A3-G3, F3-E3, D3-C3, B2-A2, G2-F2, E2-D2, C2-B1, A1-G1, F1-E1, D1-C1, B1-A1, G1-F1, E1-D1, C1-B0, A0-G0, F0-E0, D0-C0, B0-A0, G0-F0, E0-D0, C0-B-1, A-1-G-1, F-1-E-1, D-1-C-1, B-1-A-1, G-1-F-1, E-1-D-1, C-1-B-2, A-2-G-2, F-2-E-2, D-2-C-2, B-2-A-2, G-2-F-2, E-2-D-2, C-2-B-3, A-3-G-3, F-3-E-3, D-3-C-3, B-3-A-3, G-3-F-3, E-3-D-3, C-3-B-4, A-4-G-4, F-4-E-4, D-4-C-4, B-4-A-4, G-4-F-4, E-4-D-4, C-4-B-5, A-5-G-5, F-5-E-5, D-5-C-5, B-5-A-5, G-5-F-5, E-5-D-5, C-5-B-6, A-6-G-6, F-6-E-6, D-6-C-6, B-6-A-6, G-6-F-6, E-6-D-6, C-6-B-7, A-7-G-7, F-7-E-7, D-7-C-7, B-7-A-7, G-7-F-7, E-7-D-7, C-7-B-8, A-8-G-8, F-8-E-8, D-8-C-8, B-8-A-8, G-8-F-8, E-8-D-8, C-8-B-9, A-9-G-9, F-9-E-9, D-9-C-9, B-9-A-9, G-9-F-9, E-9-D-9, C-9-B-10, A-10-G-10, F-10-E-10, D-10-C-10, B-10-A-10, G-10-F-10, E-10-D-10, C-10-B-11, A-11-G-11, F-11-E-11, D-11-C-11, B-11-A-11, G-11-F-11, E-11-D-11, C-11-B-12, A-12-G-12, F-12-E-12, D-12-C-12, B-12-A-12, G-12-F-12, E-12-D-12, C-12-B-13, A-13-G-13, F-13-E-13, D-13-C-13, B-13-A-13, G-13-F-13, E-13-D-13, C-13-B-14, A-14-G-14, F-14-E-14, D-14-C-14, B-14-A-14, G-14-F-14, E-14-D-14, C-14-B-15, A-15-G-15, F-15-E-15, D-15-C-15, B-15-A-15, G-15-F-15, E-15-D-15, C-15-B-16, A-16-G-16, F-16-E-16, D-16-C-16, B-16-A-16, G-16-F-16, E-16-D-16, C-16-B-17, A-17-G-17, F-17-E-17, D-17-C-17, B-17-A-17, G-17-F-17, E-17-D-17, C-17-B-18, A-18-G-18, F-18-E-18, D-18-C-18, B-18-A-18, G-18-F-18, E-18-D-18, C-18-B-19, A-19-G-19, F-19-E-19, D-19-C-19, B-19-A-19, G-19-F-19, E-19-D-19, C-19-B-20, A-20-G-20, F-20-E-20, D-20-C-20, B-20-A-20, G-20-F-20, E-20-D-20, C-20-B-21, A-21-G-21, F-21-E-21, D-21-C-21, B-21-A-21, G-21-F-21, E-21-D-21, C-21-B-22, A-22-G-22, F-22-E-22, D-22-C-22, B-22-A-22, G-22-F-22, E-22-D-22, C-22-B-23, A-23-G-23, F-23-E-23, D-23-C-23, B-23-A-23, G-23-F-23, E-23-D-23, C-23-B-24, A-24-G-24, F-24-E-24, D-24-C-24, B-24-A-24, G-24-F-24, E-24-D-24, C-24-B-25, A-25-G-25, F-25-E-25, D-25-C-25, B-25-A-25, G-25-F-25, E-25-D-25, C-25-B-26, A-26-G-26, F-26-E-26, D-26-C-26, B-26-A-26, G-26-F-26, E-26-D-26, C-26-B-27, A-27-G-27, F-27-E-27, D-27-C-27, B-27-A-27, G-27-F-27, E-27-D-27, C-27-B-28, A-28-G-28, F-28-E-28, D-28-C-28, B-28-A-28, G-28-F-28, E-28-D-28, C-28-B-29, A-29-G-29, F-29-E-29, D-29-C-29, B-29-A-29, G-29-F-29, E-29-D-29, C-29-B-30, A-30-G-30, F-30-E-30, D-30-C-30, B-30-A-30, G-30-F-30, E-30-D-30, C-30-B-31, A-31-G-31, F-31-E-31, D-31-C-31, B-31-A-31, G-31-F-31, E-31-D-31, C-31-B-32, A-32-G-32, F-32-E-32, D-32-C-32, B-32-A-32, G-32-F-32, E-32-D-32, C-32-B-33, A-33-G-33, F-33-E-33, D-33-C-33, B-33-A-33, G-33-F-33, E-33-D-33, C-33-B-34, A-34-G-34, F-34-E-34, D-34-C-34, B-34-A-34, G-34-F-34, E-34-D-34, C-34-B-35, A-35-G-35, F-35-E-35, D-35-C-35, B-35-A-35, G-35-F-35, E-35-D-35, C-35-B-36, A-36-G-36, F-36-E-36, D-36-C-36, B-36-A-36, G-36-F-36, E-36-D-36, C-36-B-37, A-37-G-37, F-37-E-37, D-37-C-37, B-37-A-37, G-37-F-37, E-37-D-37, C-37-B-38, 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B-102-A-102, G-102-F-102, E-102-D-102, C-102-B-103, A-103-G-103, F-103-E-103, D-103-C-103, B-103-A-103, G-103-F-103, E-103-D-103, C-103-B-104, A-104-G-104, F-104-E-104, D-104-C-104, B-104-A-104, G-104-F-104, E-104-D-104, C-104-B-105, A-105-G-105, F-105-E-105, D-105-C-105, B-105-A-105, G-105-F-105, E-105-D-105, C-105-B-106, A-106-G-106, F-106-E-106, D-106-C-106, B-106-A-106, G-106-F-106, E-106-D-106, C-106-B-107, A-107-G-107, F-107-E-107, D-107-C-107, B-107-A-107, G-107-F-107, E-107-D-107, C-107-B-108, A-108-G-108, F-108-E-108, D-108-C-108, B-108-A-108, G-108-F-108, E-108-D-108, C-108-B-109, A-109-G-109, F-109-E-109, D-109-C-109, B-109-A-109, G-109-F-109, E-109-D-109, C-109-B-110, A-110-G-110, F-110-E-110, D-110-C-110, B-110-A-110, G-110-F-110, E-110-D-110, C-110-B-111, A-111-G-111, F-111-E-111, D-111-C-111, B-111-A-111, G-111-F-111, E-111-D-111, C-111-B-112, A-112-G-112, F-112-E-112, D-112-C-112, B-112-A-112, G-112-F-112, E-112-D-112, C-112-B-113, A-113-G-113, F-113-E-113, D-113-C-113, B-113-A-113, G-113-F-113, E-113-D-113, C-113-B-114, A-114-G-114, F-114-E-114, D-114-C-114, B-114-A-114, G-114-F-114, E-114-D-114, C-114-B-115, A-115-G-115, F-115-E-115, D-115-C-115, B-115-A-115, G-115-F-115, E-115-D-115, C-115-B-116, A-116-G-116, F-116-E-116, D-116-C-116, B-116-A-116, G-116-F-116, E-116-D-116, C-116-B-117, A-117-G-117, F-117-E-117, D-117-C-117, B-117-A-117, G-117-F-117, E-117-D-117, C-117-B-118, A-118-G-118, F-118-E-118, D-118-C-118, B-118-A-118, G-118-F-118, E-118-D-118, C-118-B-119, A-119-G-119, F-119-E-119, D-119-C-119, B-119-A-119, G-119-F-119, E-119-D-119, C-119-B-120, A-120-G-120, F-120-E-120, D-120-C-120, B-120-A-120, G-120-F-120, E-120-D-120, C-120-B-121, A-121-G-121, F-121-E-121, D-121-C-121, B-121-A-121, G-121-F-121, E-121-D-121, C-121-B-122, A-122-G-122, F-122-E-122, D-122-C-122, B-122-A-122, G-122-F-122, E-122-D-122, C-122-B-123, A-123-G-123, F-123-E-123, D-123-C-123, B-123-A-123, G-123-F-123, E-123-D-123, C-123-B-124, A-124-G-124, F-124-E-124, D-124-C-124, B-124-A-124, G-124-F-124, E-124-D-124, C-124-B-125, A-125-G-125, F-125-E-125, D-125-C-125, B-125-A-125, G-125-F-125, E-125-D-125, C-125-B-126, A-126-G-126, F-126-E-126, D-126-C-126, B-126-A-126, G-126-F-126, E-126-D-126, C-126-B-127, A-127-G-127, F-127-E-127, D-127-C-127, B-127-A-127, G-127-F-127, E-127-D-127, C-127-B-128, A-128-G-128, F-128-E-128, D-128-C-128, B-128-A-128, G-128-F-128, E-128-D-128, C-128-B-129, A-129-G-129, F-129-E-129, D-129-C-129, B-129-A-129, G-129-F-129, E-129-D-129, C-129-B-130, A-130-G-130, F-130-E-130, D-130-C-130, B-130-A-130, G-130-F-130, E-130-D-130, C-130-B-131, A-131-G-131, F-131-E-131, D-131-C-131, B-131-A-131, G-131-F-131, E-131-D-131, C-131-B-132, A-132-G-132, F-132-E-132, D-132-C-132, B-132-A-132, G-132-F-132, E-132-D-132, C-132-B-133, A-133-G-133, F-133-E-133, D-133-C-133, B-133-A-133, G-133-F-133, E-133-D-133, C-133-B-134, A-134-G-134, F-134-E-134, D-134-C-134, B-134-A-134, G-134-F-134, E-134-D-134, C-134-B-135, A-135-G-135, F-135-E-135, D-135-C-135, B-135-A-135, G-135-F-135, E-135-D-135, C-135-B-136, A-136-G-136, F-136-E-136, D-136-C-136, B-136-A-136, G-136-F-136, E-136-D-136, C-136-B-137, A-137-G-137, F-137-E-137, D-137-C-137, B-137-A-137, G-137-F-137, E-137-D-137, C-137-B-138, A-138-G-138, F-138-E-138, D-138-C-138, B-138-A-138, G-138-F-138, E-138-D-138, C-138-B-139, A-139-G-139, F-139-E-139, D-139-C-139, B-139-A-139, G-139-F-139, E-139-D-139, C-139-B-140, A-140-G-140, F-140-E-140, D-140-C-140, B-140-A-140, G-140-F-140, E-140-D-140, C-140-B-141, A-141-G-141, F-141-E-141, D-141-C-141, B-141-A-141, G-141-F-141, E-141-D-141, C-141-B-142, A-142-G-142, F-142-E-142, D-142-C-142, B-142-A-142, G-142-F-142, E-142-D-142, C-142-B-143, A-143-G-143, F-143-E-143, D-143-C-143, B-143-A-143, G-143-F-143, E-143-D-143, C-143-B-144, A-144-G-144, F-144-E-144, D-144-C-144, B-144-A-144, G-144-F-144, E-144-D-144, C-144-B-145, A-145-G-145, F-145-E-145, D-145-C-145, B-145-A-145, G-145-F-145, E-145-D-145, C-145-B-146, A-146-G-146, F-146-E-146, D-146-C-146, B-146-A-146, G-146-F-146, E-146-D-146, C-146-B-147, A-147-G-147, F-147-E-147, D-147-C-147, B-147-A-147, G-147-F-147, E-147-D-147, C-147-B-148, A-148-G-148, F-148-E-148, D-148-C-148, B-148-A-148, G-148-F-148, E-148-D-148, C-148-B-149, A-149-G-149, F-149-E-149, D-149-C-149, B-149-A-149, G-149-F-149, E-149-D-149, C-149-B-150, A-150-G-150, F-150-E-150, D-150-C-150, B-150-A-150, G-150-F-150, E-150-D-150, C-150-B-151, A-151-G-151, F-151-E-151, D-151-C-151, B-151-A-151, G-151-F-151, E-151-D-151, C-151-B-152, A-152-G-152, F-152-E-152, D-152-C-152, B-152-A-152, G-152-F-152, E-152-D-152, C-152-B-153, A-153-G-153, F-153-E-153, D-153-C-153, B-153-A-153, G-153-F-153, E-153-D-153, C-153-B-154, A-154-G-154, F-154-E-154, D-154-C-154, B-154-A-154, G-154-F-154, E-154-D-154, C-154-B-155, A-155-G-155, F-155-E-155, D-155-C-155, B-155-A-155, G-155-F-155, E-155-D-155, C-155-B-156, A-156-G-156, F-156-E-156, D-156-C-156, B-156-A-156, G-156-F-156, E-156-D-156, C-156-B-157, A-157-G-157, F-157-E-157, D-157-C-157, B-157-A-157, G-157-F-157, E-157-D-157, C-157-B-158, A-158-G-158, F-158-E-158, D-158-C-158, B-158-A-158, G-158-F-158, E-158-D-158, C-158-B-159, A-159-G-159, F-159-E-159, D-159-C-159, B-159-A-159, G-159-F-159, E-159-D-159, C-159-B-160, A-160-G-160, F-160-E-160, D-160-C-160, B-160-A-160, G-160-F-160, E-160-D-160, C-160-B-161, A-161-G-161, F-161-E-161, D-161-C-161, B-161-A-161, G-161-F-161, E-161-D-161, C-161-B-162, A-162-G-162, F-162-E-162, D-162-C-162, B-162-A-162, G-162-F-162, E-162-D-162, C-162-B-163, A-163-G-163, F-163-E-163, D-163-C-163, B-163-A-163, G-163-F-163, E-163-D-163, C-163-B-164, A-164-G-164, F-164-E-164, D-164-C-164, B-164-A-164, G-164-F-164, E-164-D-164, C-164-B-165, A-165-G-165, F-165-E-165, D-165-C-165, B-165-A-165, G-165-F-165, E-165-D-165, C-165-B-166, A-166-G-166, F-166-E-166, D-166-C-166, B-166-A-166, G-166-F-166, E-166-D-166, C-166-B-167, A-167-G-167, F-167-E-167, D-167-C-167, B-167-A-167, G-167-F-167, E-167-D-167, C-167-B-168, A-168-G-168, F-168-E-168, D-168-C-168, B-168-A-168, G-168-F-168, E-168-D-168, C-168-B-169, A-169-G-169, F-169-E-169, D-169-C-169, B-169-A-169, G-169-F-169, E-169-D-169, C-169-B-170, A-170-G-170, F-170-E-170, D-170-C-170, B-170-A-170, G-170-F-170, E-170-D-170, C-170-B-171, A-171-G-171, F-171-E-171, D-171-C-171, B-171-A-171, G-171-F-171, E-171-D-171, C-171-B-172, A-172-G-172, F-172-E-172, D-172-C-172, B-172-A-172, G-172-F-172, E-172-D-172, C-

Technical Exercises in the Key of G (Concert F)

Major Scale

Two staves of music in G major (one sharp). The top staff contains a melodic line with eighth notes, and the bottom staff contains a bass line with eighth notes. The piece concludes with a final chord in G major.

Natural Minor

Two staves of music in G minor (two flats). The top staff contains a melodic line with eighth notes, and the bottom staff contains a bass line with eighth notes. The piece concludes with a final chord in G minor.

Harmonic Minor

Two staves of music in G harmonic minor (two flats). The top staff contains a melodic line with eighth notes, including a raised seventh degree (F#). The bottom staff contains a bass line with eighth notes. The piece concludes with a final chord in G minor.

Melodic Minor

Two staves of music in G melodic minor (two flats). The top staff contains a melodic line with eighth notes, including a raised seventh degree (F#) and a raised sixth degree (E#). The bottom staff contains a bass line with eighth notes. The piece concludes with a final chord in G minor.

Mini-Scale & Tonic Arpeggio

Two staves of music in G major. The top staff features a melodic line with eighth notes and a tonic arpeggio at the end. The bottom staff features a bass line with eighth notes and a tonic arpeggio at the end.

Scale Pattern 1 *articulations:

Two staves of music in G major. The top staff contains a melodic line with eighth notes, and the bottom staff contains a bass line with eighth notes. The piece concludes with a final chord in G major.

Scale Pattern 2*

Musical notation for Scale Pattern 2* in G major, 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, and the lower staff provides a steady bass accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in G major, 4/4 time. The upper staff plays a scale in thirds, while the lower staff plays a steady eighth-note bass line.

Interval Study

Musical notation for Interval Study in G major, 4/4 time. The single staff contains a sequence of eighth-note intervals across the scale.

Triads of the G Scale

Musical notation for Triads of the G Scale in G major, 4/4 time. The single staff shows the first seven triads of the scale, labeled I through vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in G major, 4/4 time. The piece consists of two staves. The upper staff features six measures of chords, each with a number 1-6 above it. The lower staff provides a steady eighth-note bass accompaniment.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in G major, 4/4 time. The piece consists of two staves. The upper staff features six measures of chords with articulation marks (accents) above them, each with a number 1-6 above it. The lower staff provides a steady eighth-note bass accompaniment.

Technical Exercises in the Key of D (Concert C)

Major Scale

Two staves of musical notation for the Major Scale in D major. The key signature has two sharps (F# and C#). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The music consists of ascending and descending eighth-note patterns in both hands, with a final whole-note chord in the right hand.

Natural Minor

Two staves of musical notation for the Natural Minor scale in D minor. The key signature has two flats (Bb and Eb). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The music consists of ascending and descending eighth-note patterns in both hands, with a final whole-note chord in the right hand.

Harmonic Minor

Two staves of musical notation for the Harmonic Minor scale in D minor. The key signature has two flats (Bb and Eb). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The music consists of ascending and descending eighth-note patterns in both hands, with a raised seventh degree (C#) in the ascending line. The right hand ends with a whole-note chord.

Melodic Minor

Two staves of musical notation for the Melodic Minor scale in D minor. The key signature has two flats (Bb and Eb). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The music consists of ascending and descending eighth-note patterns in both hands, with raised seventh and sixth degrees (C# and Bb) in the ascending line. The right hand ends with a whole-note chord.

Mini-Scale & Tonic Arpeggio

Two staves of musical notation for the Mini-Scale & Tonic Arpeggio exercise in D major. The key signature has two sharps (F# and C#). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The exercise features a mini-scale in the right hand and a tonic arpeggio in the left hand, both in eighth notes, with a final whole-note chord in the right hand.

Scale Pattern 1 *articulations:

A single staff of musical notation showing eight articulation patterns for Scale Pattern 1. The key signature has two sharps (F# and C#). The time signature is common time (C). The patterns are numbered 1 through 8 and consist of eighth-note runs with various slurs and accents.

Two staves of musical notation for Scale Pattern 1 in D major. The key signature has two sharps (F# and C#). The time signature is common time (C). The first staff contains the treble clef and the second the bass clef. The exercise features a mini-scale in the right hand and a tonic arpeggio in the left hand, both in eighth notes, with a final whole-note chord in the right hand.

Scale Pattern 2*

Scale in Thirds*

Interval Study

Triads of the D Scale

Chord Study 1*

Chord Study 2 - articulations:

Technical Exercises in the Key of A (Concert G)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale Pattern 1 *articulations:

Scale Pattern 2*

Musical notation for Scale Pattern 2* in A major (two sharps) and 4/4 time. The piece consists of two staves. The upper staff features a melodic line with eighth-note patterns, while the lower staff provides a steady accompaniment of eighth notes.

Scale in Thirds*

Musical notation for Scale in Thirds* in A major (two sharps) and 4/4 time. The upper staff plays a scale in thirds, and the lower staff plays a scale in eighth notes.

Interval Study

Musical notation for Interval Study in A major (two sharps) and 4/4 time, presented on a single staff. It consists of a sequence of eighth-note intervals.

Triads of the A Scale

Musical notation for Triads of the A Scale in A major (two sharps) and 4/4 time, enclosed in a black box. It shows the first seven triads of the scale: I, ii, iii, IV, V, vi, and vii^o.

Chord Study 1*

Musical notation for Chord Study 1* in A major (two sharps) and 4/4 time. It features two staves with six measures of eighth-note patterns, numbered 1 through 6.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in A major (two sharps) and 4/4 time. It features two staves with eighth-note patterns, numbered 1 through 5, with triplets and accents indicated.

Technical Exercises in the Key of E (Concert D)

Major Scale

Four staves of musical notation showing the scales in the key of E (three sharps: F#, C#, G#). The time signature is common time (C). The first staff is the Major Scale. The second staff is the Natural Minor scale. The third staff is the Harmonic Minor scale, featuring a raised seventh degree (D#). The fourth staff is the Melodic Minor scale, featuring raised sixth and seventh degrees (D# and E#).

Mini-Scale & Tonic Arpeggio

Two staves of musical notation. The top staff shows a mini-scale in the key of E, consisting of eighth notes. The bottom staff shows a tonic arpeggio in the key of E, consisting of eighth notes.

Scale in Thirds - articulations:

Two staves of musical notation. The top staff shows a scale in thirds in the key of E, with articulations numbered 1 through 8. The bottom staff shows a scale in thirds in the key of E, with articulations numbered 1 through 8.

Trumpets only-extended major scale

Two staves of musical notation. The top staff shows an extended major scale in the key of E, consisting of eighth notes. The bottom staff shows an extended major scale in the key of E, consisting of eighth notes.

Technical Exercises in the Key of B (Concert A)

Major Scale

Musical notation for the Major Scale in B major, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The scale is written in two parts: an ascending line and a descending line, with a fermata over the final B note in both directions.

Natural Minor

Musical notation for the Natural Minor scale in B minor, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The scale is written in two parts: an ascending line and a descending line, with a fermata over the final B note in both directions.

Harmonic Minor

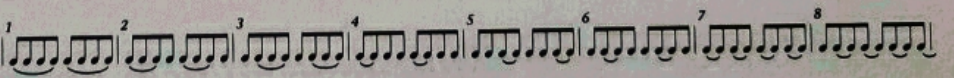
Musical notation for the Harmonic Minor scale in B minor, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The scale is written in two parts: an ascending line and a descending line, with a fermata over the final B note in both directions. The natural minor scale is used for the descending line.

Melodic Minor

Musical notation for the Melodic Minor scale in B minor, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The scale is written in two parts: an ascending line and a descending line, with a fermata over the final B note in both directions. The ascending line uses a raised sixth degree (A#).

Mini-Scale & Tonic Arpeggio

Musical notation for the Mini-Scale & Tonic Arpeggio in B major, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The exercise consists of a mini-scale in the treble clef and a tonic arpeggio in the bass clef, both in B major.

Scale in Thirds - articulations: 

Musical notation for the Scale in Thirds in B major, 4/4 time. The first staff contains the treble clef, key signature of two sharps (F# and C#), and a common time signature. The second staff contains the bass clef. The exercise consists of a scale in thirds in the treble clef and a scale in thirds in the bass clef, both in B major.

Technical Exercises in the Key of F# (Concert E)

Major Scale

Two staves of music in F# major, 4/4 time. The first staff contains a whole rest followed by an ascending eighth-note scale from E4 to E5. The second staff contains a descending eighth-note scale from E5 to E4. The key signature has five sharps (F#, C#, G#, D#, A#).

Natural Minor

Two staves of music in F# minor, 4/4 time. The first staff contains a whole rest followed by an ascending eighth-note scale from E4 to E5. The second staff contains a descending eighth-note scale from E5 to E4. The key signature has five sharps (F#, C#, G#, D#, A#).

Harmonic Minor

Two staves of music in F# harmonic minor, 4/4 time. The first staff contains a whole rest followed by an ascending eighth-note scale from E4 to E5. The second staff contains a descending eighth-note scale from E5 to E4, with a natural sign under the G#4 note. The key signature has five sharps (F#, C#, G#, D#, A#).

Melodic Minor

Two staves of music in F# melodic minor, 4/4 time. The first staff contains a whole rest followed by an ascending eighth-note scale from E4 to E5. The second staff contains a descending eighth-note scale from E5 to E4, with natural signs under the G#4 and A#4 notes. The key signature has five sharps (F#, C#, G#, D#, A#).

Mini-Scale & Tonic Arpeggio

Two staves of music in F# major, 4/4 time. The first staff contains a melodic line with eighth-note runs and a tonic triad arpeggio (E4-G#4-A#4). The second staff contains a descending eighth-note scale from E5 to E4. The key signature has five sharps (F#, C#, G#, D#, A#).

Scale in Thirds - articulations:

Two staves of music in F# major, 4/4 time. The first staff contains a scale in thirds starting on E4, with articulation numbers 1 through 8 above the notes. The second staff contains a descending eighth-note scale from E5 to E4. The key signature has five sharps (F#, C#, G#, D#, A#).

Technical Exercises in the Key of D \flat (Concert B)

Major Scale

Two staves of musical notation for the Major Scale in D-flat major (concert B). The key signature has four flats (B-flat, E-flat, A-flat, D-flat). The time signature is common time (C). The first staff contains a melodic line starting with a whole rest, followed by quarter and eighth notes. The second staff contains a bass line with quarter and eighth notes.

Natural Minor

Two staves of musical notation for the Natural Minor scale in D-flat major. The key signature has four flats. The time signature is common time. The notation follows the same rhythmic pattern as the major scale exercise.

Harmonic Minor

Two staves of musical notation for the Harmonic Minor scale in D-flat major. The key signature has four flats. The time signature is common time. The notation follows the same rhythmic pattern as the major scale exercise.

Melodic Minor

Two staves of musical notation for the Melodic Minor scale in D-flat major. The key signature has four flats. The time signature is common time. The notation follows the same rhythmic pattern as the major scale exercise.

Mini-Scale & Tonic Arpeggio

Two staves of musical notation for the Mini-Scale & Tonic Arpeggio exercise in D-flat major. The key signature has four flats. The time signature is common time. The exercise features a melodic line with slurs and a bass line with slurs.

Scale in Thirds - articulations: ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸

Two staves of musical notation for the Scale in Thirds exercise in D-flat major. The key signature has four flats. The time signature is common time. The exercise consists of two staves of eighth-note pairs in thirds, with articulation marks (accents) above the notes.

Technical Exercises in the Key of A \flat (Concert G \flat)

Major Scale

Natural Minor

Harmonic Minor

Melodic Minor

Mini-Scale & Tonic Arpeggio

Scale Pattern 1 *articulations:

Scale Pattern 2*

Scale in Thirds*

Interval Study

Triads of the A \flat Scale

Chord Study 1*

Chord Study 2 - articulations:

Technical Exercises in the Key of E \flat (Concert D \flat)

Major Scale

Four staves of musical notation showing the scales in the key of E \flat (Concert D \flat):

- Major Scale:** E \flat - F - G - A - B \flat - C - D - E \flat
- Natural Minor:** E \flat - F - G - A - B \flat - C - D - E \flat
- Harmonic Minor:** E \flat - F - G - A - B \flat - C - D \sharp - E \flat
- Melodic Minor:** E \flat - F - G - A - B \flat - C - D \sharp - E \flat

Mini-Scale & Tonic Arpeggio

Two staves of musical notation for the Mini-Scale & Tonic Arpeggio exercise in the key of E \flat . The top staff shows a mini-scale with slurs and accents, and the bottom staff shows the tonic arpeggio.

Scale Pattern 1 * articulations: ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸

Two staves of musical notation for Scale Pattern 1 in the key of E \flat . The top staff shows the scale with articulations (accents) on every note, and the bottom staff shows the scale with slurs.

Trumpets only-extended scale

Two staves of musical notation for the Trumpets only-extended scale in the key of E \flat . The top staff shows the extended scale with slurs, and the bottom staff shows the scale with slurs.

Scale Pattern 2*

Musical notation for Scale Pattern 2* in E-flat major, 4/4 time. The piece consists of two staves. The upper staff features a sequence of eighth-note patterns: a descending eighth-note scale, followed by a series of eighth-note chords (dyads) moving up the scale, and finally a descending eighth-note scale. The lower staff provides a steady accompaniment of eighth-note chords, primarily dyads, moving up the scale.

Scale in Thirds*

Musical notation for Scale in Thirds* in E-flat major, 4/4 time. The piece consists of two staves. The upper staff plays a scale in thirds, starting with a descending eighth-note scale, followed by eighth-note chords in thirds moving up the scale, and ending with a descending eighth-note scale. The lower staff provides a steady accompaniment of eighth-note chords, primarily dyads, moving up the scale.

Interval Study

Musical notation for Interval Study in E-flat major, 4/4 time. The piece consists of a single staff. It features a sequence of eighth-note patterns: a descending eighth-note scale, followed by eighth-note chords in thirds moving up the scale, and finally a descending eighth-note scale.

Triads of the E \flat Scale

Musical notation for Triads of the E \flat Scale in E-flat major, 4/4 time. The piece consists of a single staff. It features a sequence of triads moving up the scale, labeled I through vii^o. Each triad is followed by a descending eighth-note scale. The triads are: I (E-flat, G), ii (F, A-flat), iii (G, B-flat), IV (A-flat, C), V (B-flat, D), vi (C, E-flat), and vii^o (D, F).

Chord Study 1*

Musical notation for Chord Study 1* in E-flat major, 4/4 time. The piece consists of two staves. The upper staff features a sequence of six eighth-note chords moving up the scale, numbered 1 through 6. The lower staff provides a steady accompaniment of eighth-note chords, primarily dyads, moving up the scale.

Chord Study 2 - articulations:

Musical notation for Chord Study 2 - articulations in E-flat major, 4/4 time. The piece consists of two staves. The upper staff features a sequence of eighth-note chords moving up the scale, numbered 1 through 4, with triplets indicated above the notes. The lower staff provides a steady accompaniment of eighth-note chords, primarily dyads, moving up the scale.

Technical Exercises in the Key of B \flat (Concert A \flat)

Major Scale

Two staves of music in B-flat major, 4/4 time. The first staff starts with a whole rest, followed by an ascending eighth-note scale. The second staff starts with a whole rest, followed by a descending eighth-note scale. Both staves end with a whole note chord.

Natural Minor

Two staves of music in B-flat minor, 4/4 time. The first staff starts with a whole rest, followed by an ascending eighth-note scale. The second staff starts with a whole rest, followed by a descending eighth-note scale. Both staves end with a whole note chord.

Harmonic Minor

Two staves of music in B-flat harmonic minor, 4/4 time. The first staff starts with a whole rest, followed by an ascending eighth-note scale. The second staff starts with a whole rest, followed by a descending eighth-note scale. Both staves end with a whole note chord.

Melodic Minor

Two staves of music in B-flat melodic minor, 4/4 time. The first staff starts with a whole rest, followed by an ascending eighth-note scale. The second staff starts with a whole rest, followed by a descending eighth-note scale. Both staves end with a whole note chord.

Mini-Scale & Tonic Arpeggio

Two staves of music in B-flat major, 4/4 time. The first staff contains a mini-scale of eighth notes. The second staff contains a tonic arpeggio of eighth notes. Both staves end with a whole note chord.

Scale Pattern 1 *articulations:

Two staves of music in B-flat major, 4/4 time. The first staff contains a scale pattern with articulations numbered 1 through 8. The second staff contains a tonic arpeggio of eighth notes. Both staves end with a whole note chord.

Scale Pattern 2*

Scale in Thirds*

Interval Study

Triads of the B \flat Scale

Chord Study 1*

Chord Study 2 - articulations:

Technical Exercises in the Key of F (Concert Eb)

Major Scale

Musical notation for four scales in the key of F (Concert Eb):

- Major Scale:** Treble clef, key signature of two flats (F major), common time signature. The scale is written in a single line.
- Natural Minor:** Treble clef, key signature of three flats (F minor), common time signature. The scale is written in a single line.
- Harmonic Minor:** Treble clef, key signature of three flats (F minor), common time signature. The scale is written in a single line.
- Melodic Minor:** Treble clef, key signature of three flats (F minor), common time signature. The scale is written in a single line.

Mini-Scale & Tonic Arpeggio

Musical notation for a Mini-Scale & Tonic Arpeggio exercise in the key of F (Concert Eb), common time signature. The exercise consists of two staves. The top staff contains a melodic line with slurs and accents, and the bottom staff contains a corresponding arpeggiated accompaniment.

Scale Pattern 1 *articulations:

Musical notation for Scale Pattern 1 with articulations in the key of F (Concert Eb), common time signature. The exercise consists of two staves. The top staff contains a melodic line with slurs and accents, and the bottom staff contains a corresponding arpeggiated accompaniment. The pattern is repeated eight times, with numbers 1 through 8 indicating the articulation points.

Trumpets only-extended scale

Musical notation for a Trumpets only-extended scale in the key of F (Concert Eb), common time signature. The exercise consists of two staves. The top staff contains a melodic line with slurs and accents, and the bottom staff contains a corresponding arpeggiated accompaniment.

Scale Pattern 2*

Scale in Thirds*

Interval Study

Triads of the F Scale

Chord Study 1*

Chord Study 2 - articulations: