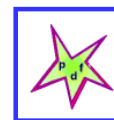




## Music 12A & Music 12B Handouts



All the handouts for Piano 1 and Piano 2 are listed in the table below. Print them out, put them together in a booklet or binder, and bring them to class each week. You can obtain free staff paper at the following URL:

<http://freestaffpaper.cjb.net>. Be sure to include three or four sheets of staff paper in your booklet.

Cover	<a href="#">Booklet Cover</a>
Handout 1	<a href="#">Sitting at the Keyboard</a>
Handout 2	<a href="#">Note Values</a>
Handout 3	<a href="#">5-Finger Patterns</a>
Handout 4	<a href="#">First Song</a>
Handout 5	<a href="#">Staffs and Clefs</a>
Handout 6	<a href="#">Intervals: 2nds &amp; 3rds</a>
Handout 7	<a href="#">Intervals: 4ths, 5ths, 6th, 7ths &amp; octaves</a>
Handout 8	<a href="#">Chord Sheet 1: Major/Minor Chords</a>
Handout 9	<a href="#">Chord Sheet 2: Chord Inversions</a>
Handout 10	<a href="#">Chord Sheet 3: I V I Progression</a>
Handout 11	<a href="#">Chord Sheet 4: I IV I V I Progression</a>
Handout 12	<a href="#">Chord Sheet 5: Accompaniment Patterns</a>
Handout 13	<a href="#">Major Scales</a>
Handout 14	<a href="#">Key Signatures: Circle of 5ths</a>
Handout 15	<a href="#">12-Bar Blues</a>
Handout 16	<a href="#">Harmonization: Lightly Row</a>
Handout 17	<a href="#">Harmonization: Twinkle Twinkle Little Star</a>

Handout 18	<a href="#">Five Qualities of Seventh Chords</a>
Handout 19	<a href="#">Voicings for Seventh Chords</a>
Handout 20	<a href="#">Music 12A and Internet Resources</a>

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Last updated June 23, 2003

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[Creative Arts Division](#)  
[De Anza College](#)

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# Music 12A: Piano 1

**Prerequisites:** None (Music 10A recommended)

**Time:** 6:30-9:10 PM Thursday

**Place:** A29 De Anza Campus

**Instructor:** Gail Hicks

**Instructor Bio:** [De Anza Music Faculty](#)

**E-mail:** [ghicksmusic@yahoo.com](mailto:ghicksmusic@yahoo.com)



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The aim of the course is to develop practical keyboard facility and reading skills as efficiently as possible. The following areas will be included in the course curriculum: major scales (C,G,D,A,E), major and minor triads, harmonization of melodies with I, IV, and V chords, prepared performances of selected pieces, ensemble playing, and improvisation in a variety of styles, rhythms, and textures.

The final grade for the quarter will be determined by the total on the Skill Checkpoints (30%), the Midterm Examination (30%), and the Final Examination (40%).

To check the current schedule of classes, click on "Classes" on the main menu of the [De Anza College](#) website.

To register for this class, click on "Apply and Register" on the main menu of the [De Anza College](#) website and follow the instructions contained in that section.

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## Required Textbooks

*Joy of First-Year Piano* by Denes Agay

*Side by Side Duets, Part 1* by Ted Cooper and Amy Glennon

[Music 12A Handouts](#) by Gail Hicks

## Additional Resources

*Scales and Arpeggios* by Anna Poklewski

*Lead Lines and Chord Changes* by Ann Collins

Skill Checkpoints and Assignments	
Class 1	No skills due. Agay: Read pp.3-10 Collins: No assignment
Class 2	No skills due. 5-Finger Patterns Agay: New Pieces pp. 11-12 Collins: My Favorite Things
Class 3	No skills due. Agay: Review piece p. 12 Agay: New Pieces pp. 14, 15, and 16 Collins: My Favorite Things
Class 4	Skill 1: Posture Skill 2: 5-Finger Patterns Agay: Review pieces pp. 14, 15, and 16 Agay: New pieces pp. 17, 18, and 19 Collins: My Favorite Things

Class 5	Skill 3: "Good King Wenceslas," <i>Joy of Piano</i> p. 16 Skill 4: Intervals: 2nds, 3rds, 4ths, and 5ths Agay: Review pieces pp. 17, 18, and 19 Agay: New piece pp. 23 Collins: My Favorite Things
Class 6	Skill 5: Major/minor triads Skill 6: Drop/lift technique Agay: Review pieces pp. 17, 18, and 19 Agay: New pieces pp. 23 Collins: Do-Re-Mi
Class 7	Skill 7: Chord Inversions in C and G Prepare Midterm Examination Collins: Do-Re-Mi
Class 8	Midterm Examination Agay: New pieces pp. 26, 28, and 34 Collins: Do-Re-Mi
Class 9	Skill 8: Harmonization Agay: New pieces pp. 55 Collins: Do-Re-Mi
Class 10	Skill 9: Chords: I IV I V I in C, G, and D Skill 10: Scales: Hands together in C, G, and D Collins: Do-Re-Mi Prepare Recital
Class 11	Recital
Class 12	Final Examination

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*Last updated April 9, 2002*

*Software used to develop this website: Dreamweaver 4, Photoshop 6.0, & Finale 2001.*

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## Music 12A Handouts



All the handouts for Piano 1 are listed in the table below. Print them out, put them together in a booklet or binder, and bring them to class each week. You can obtain free staff paper at the following URL: <http://freestaffpaper.cjb.net>. Be sure to include three or four sheets of staff paper in your booklet.

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Handout 19	<a href="#">Voicings for Seventh Chords</a>
Handout 20	<a href="#">Music 12A and Internet Resources</a>

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Last updated June 23, 2003

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**Music 12A Piano 1  
Music 12B Piano 2  
Handouts**

**Gail Hicks, Instructor  
De Anza College**





## Sitting at the Keyboard

Here are some tips for good posture at the keyboard.

- Sit on the front half of the bench.
- Sit at a height that will keep the forearm horizontal to the floor.
- Sit far enough from the piano that the forearm has to reach, thus eliminating the right angle at the elbow.
- Keep the upper body quiet and the shoulders relaxed.
- The large hand-knuckles should remain arched whenever possible.
- For maximum tonal control the finger tip must begin on the key surface.
- A flexible, movable wrist is also important.

Pretend that you have your hands on the handlebars of a bicycle and then let your fingers relax out. The resulting position will work just fine at the keyboard.



Worksheet 2  
Music 12A Piano 1

## Note Values

Page 2

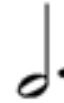
Whole Note

Four counts



Dotted Half Note

Three counts



Half Note

Two counts



Quarter Note

One count



Eighth Note

Half count



or





Worksheet 3  
Music 12A Piano 1

## 5-Finger Patterns

Page 3

### How to Form a 5-Finger Pattern

- \* First tone: Tonic
- \* Second tone: Whole Step Up
- \* Third tone: Whole Step Up
- \* Fourth tone: Half Step Up
- \* Fifth tone: Whole Step Up

## Ode to Joy

3 3 4 5 | 5 4 3 2 | 1 1 2 3 | 3 2 2 -  
 3 3 4 5 | 5 4 3 2 | 1 1 2 3 | 2 1 1 -

To be played with the right hand

## Aura Lee

5 2 3 2 | 1 4 1 - | 2 3 4 3 | 2 - - -  
 5 2 3 2 | 1 4 1 - | 2 3 4 3 | 2 - - -

To be played with the left hand

## When the Saints Go Marching In

RH: 1 3 4 5 -- 1 3 4 5 -- 1 3 4 5 3 1 3 2 --  
 LH: \_ \_ \_ 5 - - \_ \_ \_ 5 - - \_ \_ \_ 5 \_ \_ 2 - -

RH: 3 3 2 1 - 1 3 5 5 5 4 - - 3 4 5 3 1 2 1 - -  
 LH: \_ \_ \_ 5 - \_ \_ \_ \_ 2 - \_ \_ \_ \_ 5 \_ \_ \_ 5 - -



Worksheet 4

# First Song

Page 4

Music 12A Piano 1

*First Song* was composed by  
Lynn Freeman Olson

Pattern 1



Pattern 2



## First Song Pattern



1. Play *First Song* on C, D, and E. Use the index finger of each hand. Start with the right hand on middle C and the left hand on the C to the left of middle C. The left hand will cross over the the right hand at least one time while playing each pattern.

2. Play *First Song* on E, F, and G.

3. Play *First Song* on G, A, and B

4. Play *First Song* on A, B, and C



Worksheet 5

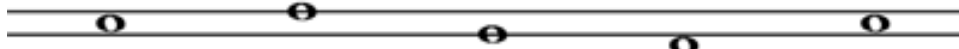
# Staves and Clefs

Music 12A  
Piano 1

Lines &  
Spaces  
1



Lines &  
Spaces  
2



Treble  
(G) Clef



Bass  
(F) Clef



Grand  
Staff







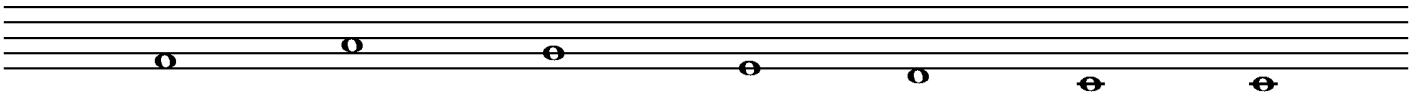
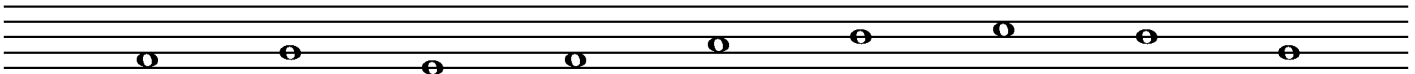
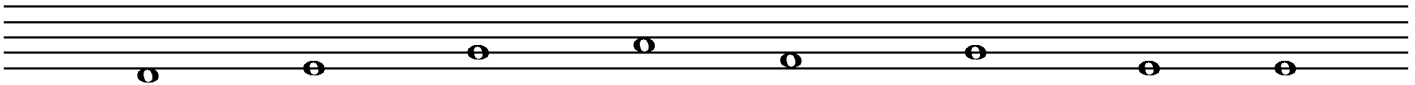
# Intervals: 2nds & 3rds

Worksheet 6

Page 6

Music 12A Piano 1

Mark the 3rds in the lines below.





### Intervals: 4ths, 5ths, 6ths, 7ths & Octaves

Identify the intervals in the lines below.

10





Handout 8  
 Music 12A Piano 1

## Chord Sheet 1

### Major/Minor Triads

Page 8

#### **Aunt Rhody**

Chord Symbols:      G    G    D    G  
 Pop Music            G    G    D    G

Chord Symbols:      I    I    V    I  
 Classical Music      I    I    V    I

#### **How Many Roads**

Chord Symbols:      G    C    G    G      3 times  
 Pop Music            G    C    D    D

C    D    G    G      2 times

Chord Symbols:      I    IV    I    I      3 times  
 Classical Music      I    IV    V    V

IV   V    I    I      2 times



## Chord Sheet 2 Chord Inversions

Worksheet 9

Page 9

Music 12A Piano 1



I

I<sub>6</sub>

I<sub>4</sub>

I

**Root position:** Major/minor chord root (C) is lowest note in the chord.

**First inversion:** Major/minor chord third (E) is lowest note in the chord.

**Second inversion:** Major/minor chord fifth (G) is lowest note in the chord.





## Chord Sheet 3

### I V<sup>7</sup> I Progression

Handout 10

Music 12A Piano 1

Page 10

To play the I V<sup>7</sup> I  
progression in any major  
key:

1. Form a major triad
2. Shift to the V<sup>7</sup> chord by:
  - \* Moving the chord root down 1/2 step
  - \* Moving the chord third up 1/2 step
  - \* Repeating the chord fifth
3. Repeat the I chord

Try the I V<sup>7</sup> I progression in the keys shown below: C, G, D, A, and E.



Refer to the C scale below during the class discussion of the I V<sup>7</sup> I chord.





Handout 11  
 Music 12A Piano 1

## Chord Sheet 4

### I IV I V<sup>7</sup> I Progression

Page 11

To play the I IV I V<sup>7</sup> I  
 progression in any key:

1. Form a major triad
2. Shift to the IV chord by:
  - \* Repeating the chord root
  - \* Moving the chord third up 1/2 step
  - \* Moving the chord fifth up a whole step
3. Repeat the I Chord
4. Shift to the V<sup>7</sup> chord by:
  - \* Moving the chord root down 1/2 step
  - \* Moving the chord third up 1/2 step
  - \* Repeating the chord fifth
5. Repeat the I chord







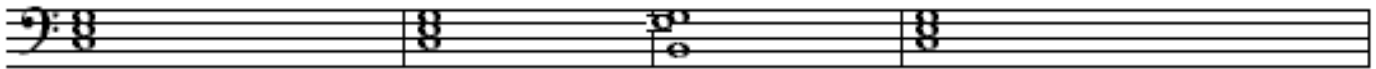
## Chord Sheet 5: Accompaniment Patterns

Handout 12

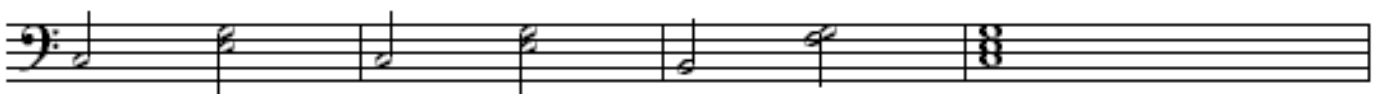
Page 12

Music 12A Piano 1

### Block Chord Accompaniment



### Broken Chord Accompaniments



### Alberti Bass Accompaniment





## Major Scales

Handout 13  
Music 12A Piano 1

Page 13

Major scales: C, G, D, A and E

Right hand fingering: 1 2 3 1 2 3 4 1 2 3 1 2 3 4 5

Left hand fingering: 5 4 3 2 1 3 2 1 4 3 2 1 3 2 1

### C Scale

The image displays the C Major scale in two systems. The first system is in bass clef, showing the scale ascending from C2 to C4 and descending from C4 to C2. The second system is in treble clef, showing the scale ascending from C4 to C5 and descending from C5 to C4. Both systems use quarter notes and include vertical bar lines to separate measures. The fingering for the right hand is indicated by numbers 1-5, and the fingering for the left hand is indicated by numbers 5-1.



**G Scale** **D Scale**

The first system of music contains two scales. The G Scale is written in the treble clef and consists of the notes G, A, B, C, D, E, F#, G. The D Scale is written in the treble clef and consists of the notes D, E, F, G, A, B, C, D. Both scales are accompanied by a bass line in the bass clef. The G Scale bass line consists of the notes G, A, B, C, D, E, F#, G. The D Scale bass line consists of the notes D, E, F, G, A, B, C, D. Vertical blue lines separate the two scales.

**A Scale** **E Scale**

The second system of music contains two scales. The A Scale is written in the treble clef and consists of the notes A, B, C, D, E, F#, G, A. The E Scale is written in the treble clef and consists of the notes E, F, G, A, B, C, D, E. Both scales are accompanied by a bass line in the bass clef. The A Scale bass line consists of the notes A, B, C, D, E, F#, G, A. The E Scale bass line consists of the notes E, F, G, A, B, C, D, E. Vertical blue lines separate the two scales.

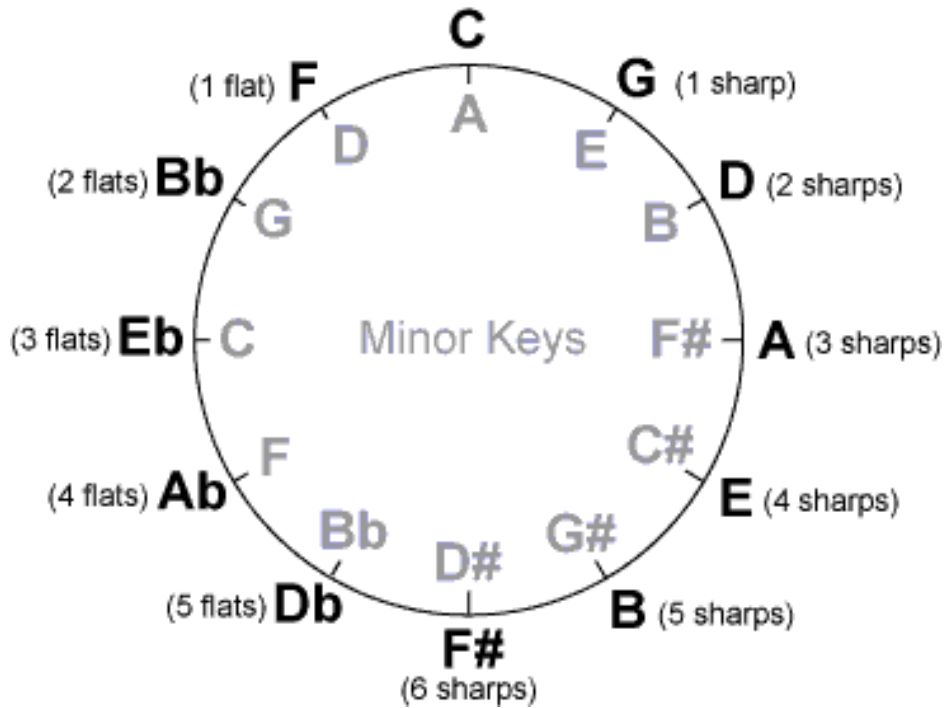


## Key Signatures Circle of 5ths

Handout 14

Page 14

Music 12A Piano 1



The diagram illustrates the 12 chromatic scale (C, C#, D, D#, E, E#, F, F#, G, G#, A, A#) arranged in a circle. Each note is associated with a specific chord, shown in musical notation on a treble clef staff. The chords are: C (C major), C# (C# minor), D (D major), D# (D# minor), E (E major), E# (E# minor), F (F major), F# (F# minor), G (G major), G# (G# minor), A (A major), and A# (A# minor). The circle also contains the letters 'a', 'b', 'c', 'd', 'e', 'f', 'g' corresponding to the notes. At the bottom, there are two musical staves showing the chromatic scale in both ascending and descending directions, with accidentals and ties indicating the half-step intervals. The descending scale includes the notes Gb and F#.



# 12-Bar Blues Chord Voicings

Handout 15

Page 15

Music 12A Piano 1

## 12-Bar Blues

## Blues Scale



Handout used with the permission of Bill Bell, "The Jazz Professor"



# Harmonization Lightly Row

Handout 16

Page 16

Music 12A Piano 1

## Lightly Row

The musical score for 'Lightly Row' is presented in two systems. Each system consists of a treble clef staff and a bass clef staff. The melody is written in the treble clef, and the bass clef staff contains whole rests. The first system has four measures with chords C, G7, C, and C. The second system also has four measures with chords C, G7, C, and C. The melody in the first system is: C4, D4, E4, F4; G4, A4, B4, C5; C5, B4, A4, G4; F4, E4, D4, C4.



# Harmonization Twinkle Twinkle

Handout 17

Page 17

Music 12A Piano 1

## Twinkle Twinkle Little Star

C C F C F C G<sup>7</sup> C

C C F C F C G<sup>7</sup> C

C F C G<sup>7</sup> C F C G<sup>7</sup>

C C F C F C G<sup>7</sup> C



# Five Qualities of Seventh Chords

## Seventh Chord Examples and Pop Music Chord Notation

Major 7th      C maj<sup>7</sup>      Dominant 7th      C<sup>7</sup>

Minor 7th      C min<sup>7</sup>      Half Diminished 7th      C min 7(b<sup>5</sup>)

Diminished 7th      C<sup>o7</sup>







# Voicings for Seventh Chords

Chord Voicing: Regrouping the notes of a chord for better sound.  
Chord Progression: When one chord moves to another

**Position 1** **Position 2**

7th  
5th  
3rd

7th  
5th  
3rd

Root

Root

### 4 Note Voicings

Dm7    G7    C maj 7    Dm7    G7    C maj 7

Pos 1    Pos 2    Pos 1    Pos 2    Pos 1    Pos 2

### 3 Note Voicings

The image shows a musical score for piano, consisting of two staves: a treble clef staff on top and a bass clef staff on the bottom. The music is written in a 2/4 time signature. The first measure of the treble staff contains three chords: a D major triad (D4, F#4, A4), an E major triad (E4, G#4, B4), and a C major triad (C4, E4, G4). The second measure of the treble staff contains three chords: a D major triad (D4, F#4, A4), an E major triad (E4, G#4, B4), and a C major triad (C4, E4, G4). The first measure of the bass staff contains three notes: D3, E3, and F#3. The second measure of the bass staff contains three notes: D3, E3, and F#3. The piece ends with a double bar line.



To obtain information about buying acoustic pianos, check out The Piano Page of the Piano Technicians Guild at: <http://www.ptg.org>

For reviews of electronic keyboards, check epinions at:  
[http://www.epinions.com/inst-Keyboards\\_MIDI-All-Keyboards](http://www.epinions.com/inst-Keyboards_MIDI-All-Keyboards).

To obtain blank (and free) sheets of music staff paper, check out the following URL at:  
<http://freestaffpaper.cjb.net/>.

To download basic music notation software (also free), check the following URL:  
<http://www.codamusic.com>.

To find a piano teacher in the area, check out the website of the Music Teachers National Association at: <http://www.ptg.org>.

Alternatively, you will also be able to find a piano teacher at the Community School for Music and Art in Mountain View: <http://www.arts4all.org>.

If you are interested in jazz piano, check out this school in Berkeley:  
<http://www.jazzschool.com>.

For an online music theory tutorial, check out the following website  
:<http://www.musictheory.net>.

For free sheet music (classical), check out the Nissimo website at:  
*<http://nissimo.com/index>*.



**Music 12A Piano 1  
Music 12B Piano 2  
Handouts**

**Gail Hicks, Instructor  
De Anza College**



Worksheet 1  
Music 12A Piano 1

## Sitting at the Keyboard

Page 1

Here are some tips for good posture at the keyboard.

- Sit on the front half of the bench.
- Sit at a height that will keep the forearm horizontal to the floor.
- Sit far enough from the piano that the forearm has to reach, thus eliminating the right angle at the elbow.
- Keep the upper body quiet and the shoulders relaxed.
- The large hand-knuckles should remain arched whenever possible.
- For maximum tonal control the finger tip must begin on the key surface.
- A flexible, movable wrist is also important.

Pretend that you have your hands on the handlebars of a bicycle and then let your fingers relax out. The resulting position will work just fine at the keyboard.





Worksheet 2  
Music 12A Piano 1

# Note Values

Page 2

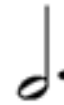
Whole Note

Four counts



Dotted Half Note

Three counts



Half Note

Two counts



Quarter Note

One count



Eighth Note

Half count



or





Worksheet 3  
 Music 12A Piano 1

## 5-Finger Patterns

Page 3

### How to Form a 5-Finger Pattern

- \* First tone: Tonic
- \* Second tone: Whole Step Up
- \* Third tone: Whole Step Up
- \* Fourth tone: Half Step Up
- \* Fifth tone: Whole Step Up

### Ode to Joy

**3 3 4 5 | 5 4 3 2 | 1 1 2 3 | 3 2 2 -**  
**3 3 4 5 | 5 4 3 2 | 1 1 2 3 | 2 1 1 -**

**To be played with the right hand**

### Aura Lee

**5 2 3 2 | 1 4 1 - | 2 3 4 3 | 2 - - -**  
**5 2 3 2 | 1 4 1 - | 2 3 4 3 | 2 - - -**

**To be played with the left hand**

### When the Saints Go Marching In

**RH: 1 3 4 5 -- 1 3 4 5 -- 1 3 4 5 3 1 3 2 --**  
**LH: \_ \_ \_ 5 - - \_ \_ \_ 5 - - \_ \_ \_ 5 \_ \_ 2 - -**

**RH: 3 3 2 1 - 1 3 5 5 5 4 - - 3 4 5 3 1 2 1 - -**  
**LH: \_ \_ \_ 5 - \_ \_ \_ \_ 2 - \_ \_ \_ 5 \_ \_ \_ 5 - -**



Worksheet 4  
Music 12A Piano 1

# First Song

Page 4

*First Song* was composed by  
Lynn Freeman Olson

Pattern 1



Pattern 2



## First Song Pattern



1. Play *First Song* on C, D, and E. Use the index finger of each hand. Start with the right hand on middle C and the left hand on the C to the left of middle C. The left hand will cross over the the right hand at least one time while playing each pattern.

2. Play *First Song* on E, F, and G.
3. Play *First Song* on G, A, and B
4. Play *First Song* on A, B, and C



Worksheet 5

# Staffs and Clefs

Music 12A  
Piano 1

Lines &  
Spaces  
1



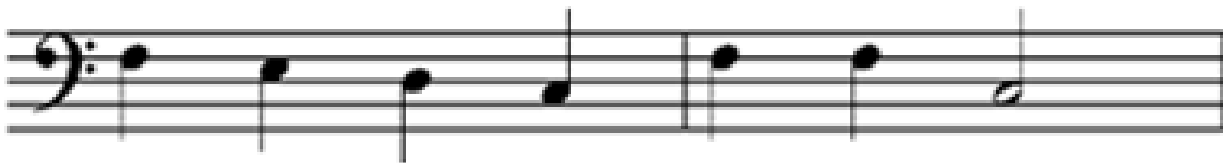
Lines &  
Spaces  
2



Treble  
(G) Clef



Bass  
(F) Clef



Grand  
Staff







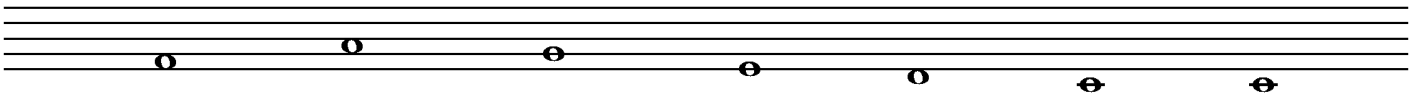
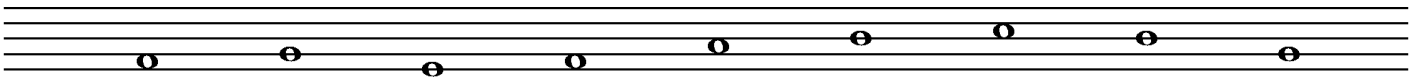
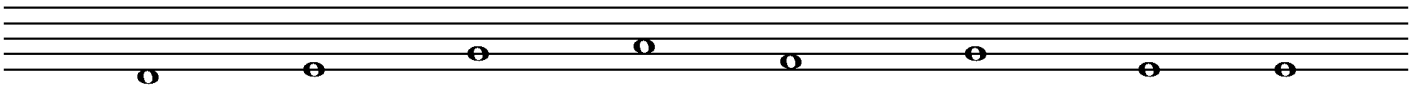
## Intervals: 2nds & 3rds

Worksheet 6

Page 6

Music 12A Piano 1

Mark the 3rds in the lines below.





### Intervals:

### 4ths, 5ths, 6ths, 7ths & Octaves

Worksheet 7

Page 7

Music 12A Piano 1

Identify the intervals in the lines below.

10



Handout 8  
 Music 12A Piano 1

## Chord Sheet 1

### Major/Minor Triads

Page 8

#### Aunt Rhody

Chord Symbols:      G    G    D    G  
 Pop Music            G    G    D    G

Chord Symbols:      I    I    V    I  
 Classical Music      I    I    V    I

#### How Many Roads

Chord Symbols:      G    C    G    G      3 times  
 Pop Music            G    C    D    D

C    D    G    G      2 times

Chord Symbols:      I    IV    I    I      3 times  
 Classical Music      I    IV    V    V

IV   V    I    I      2 times





# Chord Sheet 2

## Chord Inversions

Worksheet 9

Music 12A Piano 1

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The image shows a grand staff with two staves (treble and bass clef) and a brace on the left. It contains four chords. The first chord is C major in root position (I), with notes C4, E4, G4 in the treble and C3, E3, G3 in the bass. The second chord is C major in first inversion (i<sub>6</sub>), with notes E4, G4, C5 in the treble and C3, E3, G3 in the bass. The third chord is C major in second inversion (i<sub>6</sub><sub>4</sub>), with notes G4, C5, E5 in the treble and C3, E3, G3 in the bass. The fourth chord is C minor in root position (i), with notes C4, E4, G4 in the treble and C3, E3, G3 in the bass. Below each chord is its Roman numeral symbol: I, i<sub>6</sub>, i<sub>6</sub><sub>4</sub>, and i.

**Root position:** Major/minor chord root (C) is lowest note in the chord.

**First inversion:** Major/minor chord third (E) is lowest note in the chord.

**Second inversion:** Major/minor chord fifth (G) is lowest note in the chord.



# Chord Sheet 3

## I V<sup>7</sup> I Progression

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To play the I V<sup>7</sup> I  
 progression in any major  
 key:

1. Form a major triad
2. Shift to the V<sup>7</sup> chord by:
  - \* Moving the chord root down 1/2 step
  - \* Moving the chord third up 1/2 step
  - \* Repeating the chord fifth
3. Repeat the I chord

Try the I V<sup>7</sup> I progression in the keys shown below: C, G, D, A, and E.



Refer to the C scale below during the class discussion of the I V<sup>7</sup> I chord.





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## Chord Sheet 4

### I IV I V<sup>7</sup> I Progression

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To play the I IV I V<sup>7</sup> I  
 progression in any key:

1. Form a major triad
2. Shift to the IV chord by:
  - \* Repeating the chord root
  - \* Moving the chord third up 1/2 step
  - \* Moving the chord fifth up a whole step
3. Repeat the I Chord
4. Shift to the V<sup>7</sup> chord by:
  - \* Moving the chord root down 1/2 step
  - \* Moving the chord third up 1/2 step
  - \* Repeating the chord fifth
5. Repeat the I chord





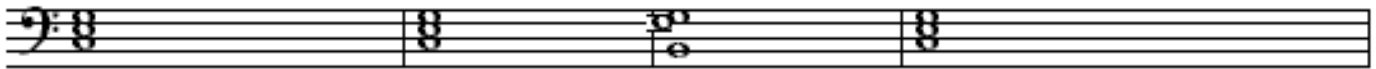
## Chord Sheet 5: Accompaniment Patterns

Handout 12

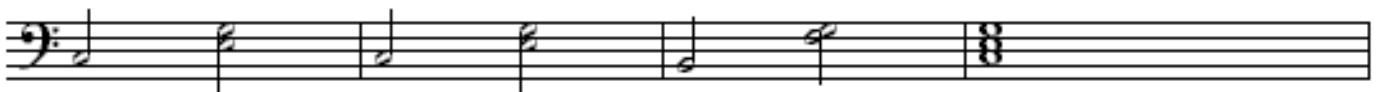
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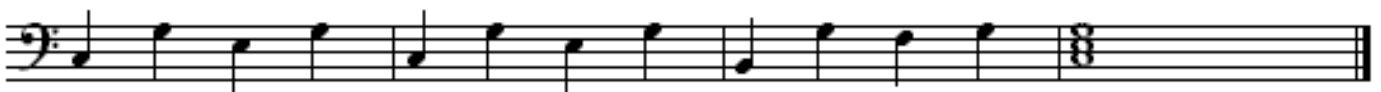
### Block Chord Accompaniment



### Broken Chord Accompaniments



### Alberti Bass Accompaniment





## Major Scales

Handout 13  
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Major scales: C, G, D, A and E

Right hand fingering: 1 2 3 1 2 3 4 1 2 3 1 2 3 4 5

Left hand fingering: 5 4 3 2 1 3 2 1 4 3 2 1 3 2 1

**C Scale**

**G Scale** **D Scale**



The image shows the first two scales: G major and D major. Each scale is written in a two-staff format (treble and bass clef). The G major scale (top left) consists of two measures: the first measure contains G4, A4, B4, C5 in the treble and G3, A3, B3, C4 in the bass; the second measure contains D4, E4, F#4, G4 in the treble and D3, E3, F#3, G3 in the bass. The D major scale (top right) also consists of two measures: the first measure contains D4, E4, F#4, G4 in the treble and D3, E3, F#3, G3 in the bass; the second measure contains A4, B4, C5, D5 in the treble and A2, B2, C3, D3 in the bass.

**A Scale** **E Scale**



The image shows the last two scales: A major and E major. Each scale is written in a two-staff format (treble and bass clef). The A major scale (bottom left) consists of two measures: the first measure contains A4, B4, C#4, D5 in the treble and A3, B3, C#3, D4 in the bass; the second measure contains E4, F#4, G#4, A4 in the treble and E2, F#2, G#2, A2 in the bass. The E major scale (bottom right) consists of two measures: the first measure contains E4, F#4, G#4, A4 in the treble and E3, F#3, G#3, A3 in the bass; the second measure contains B4, C#4, D#4, E5 in the treble and B2, C#2, D#2, E3 in the bass.

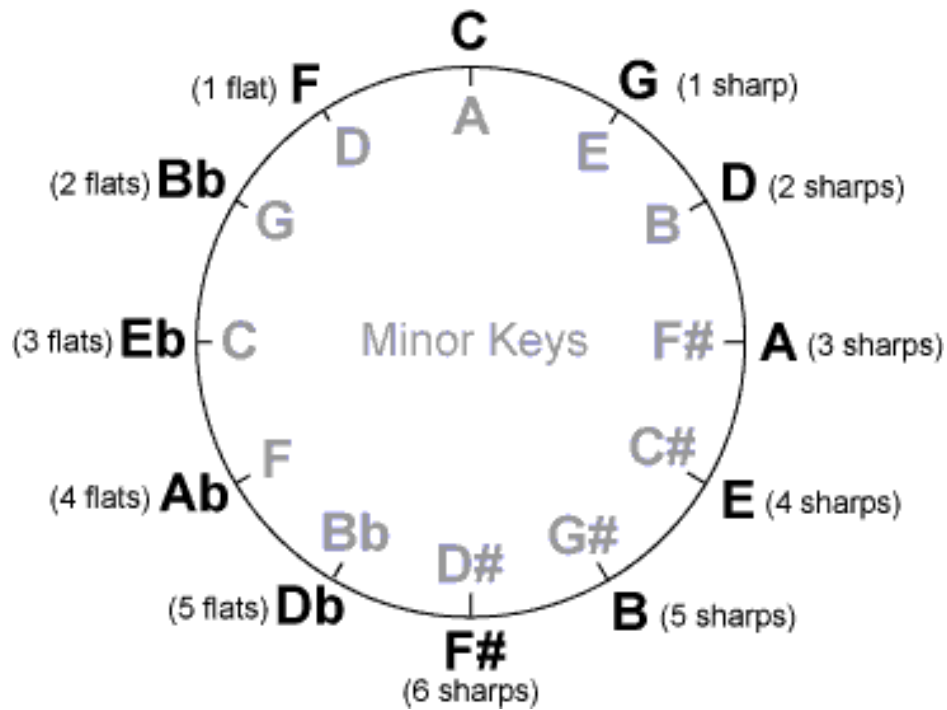


## Key Signatures Circle of 5ths

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The diagram illustrates the 12 chromatic scale (C, C#, D, D#, E, E#, F, F#, G, G#, A, A#) arranged in a circle. Each note is associated with a specific chord, shown in musical notation on a treble clef staff. The chords are: C (C major), C# (C# minor), D (D major), D# (D# minor), E (E major), E# (E# minor), F (F major), F# (F# minor), G (G major), G# (G# minor), A (A major), and A# (A# minor). The notes are labeled with lowercase letters (a, b, c, d, e, f, g) and the chords with uppercase letters (A, B, C, D, E, F, G). The diagram also includes a central circle with the notes 'a', 'b', 'c', 'd', 'e', 'f', 'g' and a bottom section with musical notation for the chords D# (D# minor), C# (C# minor), G# (G# minor), and F# (F# minor).





Handout 15

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## 12-Bar Blues Chord Voicings

### Blues Scale



Handout used with the permission of Bill Bell, "The Jazz Professor"



# Harmonization Lightly Row

Handout 16

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## Lightly Row

The image displays two systems of musical notation for the piano accompaniment of 'Lightly Row'. Each system consists of a treble clef staff and a bass clef staff. The first system has four measures with chords C, G7, C, and C. The second system has four measures with chords C, G7, C, and C. The bass line is mostly rests with some notes in the second measure.



# Harmonization Twinkle Twinkle

Handout 17

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## Twinkle Twinkle Little Star

C C F C F C G<sup>7</sup> C

C C F C F C G<sup>7</sup> C

C F C G<sup>7</sup> C F C G<sup>7</sup>

C C F C F C G<sup>7</sup> C



# Five Qualities of Seventh Chords

## Seventh Chord Examples and Pop Music Chord Notation

Major 7th                      C maj<sup>7</sup>                      Dominant 7th                      C<sup>7</sup>

Minor 7th                      C min<sup>7</sup>                      Half Diminished 7th                      C min 7(b5)

Diminished 7th                      C<sup>o7</sup>





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## Voicings for Seventh Chords

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Chord Voicing: Regrouping the notes of a chord for better sound.  
Chord Progression: When one chord moves to another

**Position 1** **Position 2**

Piano

### 4 Note Voicings

**Dm7      G7      C maj 7      Dm7      G7      C maj 7**

**Pos 1      Pos 2      Pos 1      Pos 2      Pos 1      Pos 2**

### 3 Note Voicings

The image shows a musical score for piano, titled "3 Note Voicings". It consists of two staves, a treble clef staff on top and a bass clef staff on the bottom, connected by a brace on the left. The music is written in a 2/4 time signature. The first measure contains three chords in the treble staff, each with a stem and a flag, and three quarter notes in the bass staff. The second measure contains three chords in the treble staff, each with a stem and a flag, and three quarter notes in the bass staff. The piece ends with a double bar line.





## Internet Resources

To obtain information about buying acoustic pianos, check out The Piano Page of the Piano Technicians Guild at: <http://www.ptg.org>

For reviews of electronic keyboards, check epinions at:  
[http://www.epinions.com/inst-Keyboards\\_MIDI-All-Keyboards](http://www.epinions.com/inst-Keyboards_MIDI-All-Keyboards).

To obtain blank (and free) sheets of music staff paper, check out the following URL at:  
<http://freestaffpaper.cjb.net/>.

To download basic music notation software (also free), check the following URL:  
<http://www.codamusic.com>.

To find a piano teacher in the area, check out the website of the Music Teachers National Association at: <http://www.ptg.org>.

Alternatively, you will also be able to find a piano teacher at the Community School for Music and Art in Mountain View: <http://www.arts4all.org>.

If you are interested in jazz piano, check out this school in Berkeley:  
<http://www.jazzschool.com>.

For an online music theory tutorial, check out the following website  
:<http://www.musictheory.net>.

For free sheet music (classical), check out the Nissimo website at:  
<http://nissimo.com/index>.