



## Music Technology Lessons

Students enjoy composing their own music. After the Retrograde lesson, students can learn ABA song form and expand their music selections. (Pictures of General MIDI sound list and Retro to ABA composition below.)

### Lesson 004

DATES \_\_\_\_\_

The 2nd through 5th Grade students receive one 40 minute lesson per week.

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All of our music compositions and studies are now created with Sibelius notation software. The same studies below can be used with any notation programs.

#### Objectives:

\*Students will continue to expand their retrograde composition (and change to ABA song form) using the notes in the C Major Scale, and the keyboard and sequencing software on the computer to playback the song.

\*To complete pp. 10-20 in the Alfred Basic Piano Library Level 1A (varies based on student level).

\*To complete one Lesson in Music Ace 1.

#### Materials:

Alfred 1A Piano Books, keyboards and related equipment, computers, printer, Music Time Deluxe and Music Ace 1 software and teacher's manual.

**Procedures:** Students should have prior knowledge of the definitions of MIDI, General MIDI, and other keyboard / tech terms. Follow this link to review brief definitions. Also, introduce or examine the C Major Scale for use in compositions.

(Follow this link to review the previous Retrograde Lesson Plan and instructions for Music Time Deluxe.)

After the students have successfully completed the Retrograde Lesson, students may extend or change the song using a song form, such as ABA. ABA means that you will write one section of the composition (Part A), then write something different than your first section (Part B), then write the first section of your song again (Part A). In other words, Part A 'repeats' or is played twice.

Write your composition using notes in the same octave starting with Middle C, and use notes in the C Major Scale. We will continue to have 2 staves or instrument voices playing. The students should not try to write the 'longest song in the world.' Ask them to limit their composition, for now, to 32 measures.

Remind students of the method of changing voices / instruments in Music Time Deluxe. (Shortcut 'Control + ?') (Sibelius 'M' for mixer.) The Staff Sheet will appear and students can change their instruments to one of the 128 General MIDI voices on the computer. The students should be reminded that the sounds on their Casio MIDI keyboards will NOT sound the same as the 128 General MIDI computer voices unless the sound is played back through the computer speakers.

**Retrograde Lesson**

**Staff Sheet**

Inst	Play	Solo	Name
1	▶		Grand Piano
2	▶		Synth Bass

**Choose Instrument**

Number:  Name:  Voice:

Device:  Bank:

None  Copy device to all staves  Roland GS

Grand Piano	Hamnd Orga	Acou Bass	StrEnsmbl 1	Soprano Sa	Square Wave	Ice Rain	Tinkle Bell
Bright Grand	Perc Organ	ElecBassFin	StrEnsmbl 2	Alto Sax	Sawtooth	Soundtrack	Agogo
Elect Grand	Rock Organ	ElecBassPic	SynthStr 1	Tenor Sax	Caliope	Crystal	Steel Drums
Honky Tonk	ChurchOrga	FretlessBas	SynthStr 2	Baritone Sax	Chiff Lead	Atmosphere	Woodblock
Rhodes	Reed Organ	Slap Bass 1	Choir Ahhs	Oboe	Charang	Brightness	Taiko Drum
Chorus Pian	Accordion	Slap Bass 2	Voice Oohs	English Horn	SoloSynthV	Goblin	Melodic Tom
Harpichord	Harmonica	Synth Bass	Synth Voice	Bassoon	Brite Saw	Echo Drops	Synth Drum
Clavinet	Tango Acco	Synth Bass	Orch Hit	Clarinet	Brass & Lea	Star Theme	Rev Cymbal
Celeste	AcNylonGuit	Violin	Trumpet	Piccolo	FantasiaPad	Star	GuitFretNois
Glockenspiel	AcSteelGuit	Viola	Trombone	Flute	Warm Pad	Banjo	Breath Noise
Music Box	ElecJazzGuit	Cello	Tuba	Recorder	PolySrthPad	Shamisen	Sea Shore
Vibraphone	ElecCleanGu	Contrabass	Mute Trump	Pan Flute	SpaceVoxP	Koto	Bird Tweet
Marimba	ElecMuteGuit	Trem Strings	French Horn	Bottle Blow	BowdGlasP	Kalimba	Phone Ring
Xylophone	OverdriveGuit	Pizz Strings	Brass Sectio	Shakuhachi	Metal Pad	Bagpipe	Helicopter
Tubular Bells	DistortedGuit	Orch Harp	SnthBrass 1	Whistle	Halo Pad	Fiddle	Applause
Dulcimer	GuitHarmoni	Timpani	SnthBrass 2	Ocarina	Sweep Pad	Shansi	Gun Shot

Ask students to notice.....

- Why do their songs sound different when playing the song through the MIDI keyboard than it does when played through the computer speakers (General MIDI sounds)? \_\_\_\_\_
- What types of instruments sound better when paired together (like a duet)? \_\_\_\_\_
- What types of patterns do you hear in your compositions? (Steps, skips, repeats, leaps, etc.) \_\_\_\_\_
- Will your composition be something 'that you can sing to and remember' like a song (does it have a melody that you can identify and remember)? \_\_\_\_\_
- Can you tell when your composition changes from Part A - to Part B - and back to Part A? \_\_\_\_\_
- What are the main rhythms that you used in your composition (quarter notes, half notes, etc.)? \_\_\_\_\_

Notes: \_\_\_\_\_