

UNIT THREE...Music

LESSON 19... Music and Technology

Name: _____

Step 1 ... Starting With What I Know

Page 109... Listing

Your lists will be different, but might include the following:

Painter: paints, paint brushes, canvas, paper, easel

Photographer: camera, film, lights, meter

Architect: drawing board, ruler, computer

Musician: musical instruments, tape recorder

Page 109... Synonyms

novel ★

change

convert

feasible

~~imitate~~

Page 109... Syllabication

- 1. broad•cast
- 2. loud•speak•er
- 3. proc•ess
- 4. vol•ume

“Process” does not belong with the other three since it is the only one that does not have something to do with sound.

How do you rate your work on Step 1?				
1	2	3	4	5
excellent		fair		poor

Step 2 ... Reading to Find Out More

Page 112... Keeping Sharp

- compact P
- impulse P
- convert P
- synthesizer PS
- innovative PS
- feasible S

Step 3 ... Refining and Extending Knowledge

Page 113... Other Interesting Words

You might select words such as the following for further study: engineer, audiotape, technology, guitarist.

Page 113... Comprehension: Reading for Detail

- 4. Max V. Mathews: computer music
- 2. Pierre Schaeffer: *musique concrète*
- 3. Robert Moog: synthesizer
- 1. Thaddeus Cahill: dynamophone

Page 113... Completing Sentences

- 1. intensity 2. compact 3. process

Page 113... Multiple Meanings

- 1. b 2. b 3. a

How do you rate your work on Steps 2 and 3?				
1	2	3	4	5
excellent		fair		poor

Step 4 ... Applying What I've Learned

Page 114... Comprehension: Identifying Detail

Musique Concrète

Pioneer: Pierre Schaeffer

How it works: Environmental sounds are tape recorded and then altered to create a musical composition.

Characteristics: often called “the art of noise”

Computers

Pioneer: Max V. Mathews

How it works: composer inputs data into computer, computer converts data to sounds

Characteristics: quicker and easier than *musique concrète*

Synthesizers

Pioneer: Robert Moog

How it works: uses electronics to duplicate sounds of traditional orchestra

Characteristics: small, inexpensive, easy to use, often used in rock music

Example of a good paragraph:

Developments in science and technology have affected the way music is made. The availability of electricity led to *musique concrète*, computer music, and synthesizers. All of these allowed musicians to create new sounds in new ways.

How do you rate your work on Step 4?				
1	2	3	4	5
excellent		fair		poor

Optional Teacher Check _____