Arkansas Tech University Professional Development Report
Association of Teacher Educators 2010 Annual Meeting
February 15 & 16, 2010
Chicago, Illinois
Hyatt Regency Hotel

Recipients of ATU's Professional Development Grant:
Dr. Kevin C. Costley; Associate Professor of Early Childhood Education
Dr. Timothy Leggett; Assistant Professor of Early Childhood Education

Two presentations/workshops were presented at the national conference by Dr. Costley and Dr. Leggett. Both will be discussed below:

"Writing Behavioral Objectives is Easy: Why Do Pre-service Teachers Have Trouble Writing Them?" Based on Dr. Costley's research, findings were revealed as to why pre-service teachers have trouble writing clear and measurable behavioral objectives aligned with valid assessments. The research and findings have been published in a state refereed journal. It was found that students wanted professors at the university to use the same Bloom's Taxonomy list. A Bloom's Taxonomy list was constructed by Dr. Costley and approved by the entire early childhood faculty. The Taxonomy list is now passed out to students every semester. Students also asked for more explicit teaching on how to write measurable objectives that could be aligned with appropriate assessment, including detailed explanations of a definition of what a behavioral objective is including the essential ingredients in a single objective. Students also asked for a graphic organizer. Dr. Costley constructed a graphic organizer with the help of another faculty member; Dr. Byra Ramsey. Students were given the graphic organizer for visual clarity of a model clearly illustrating how to write a correct and solid objective. Objectives have improved over the past two years and students more clearly understand curriculum alignment and how careful alignment directly results in learner outcomes (assessment). **The graphic organizer is attached to this document**. Participants of the workshop received copies of the graphic organized and were appreciative of a graphic organizer that was easy to read and follow; thus, a useful tool in their own university classes.

"Making Musical Instruments for Children's Play" Based on Dr. Leggett's involvement in his introductory early childhood classes emphasizing music and rhythm as a recommended child's developmentally appropriate activity in the public school classroom, the idea was conceived by both presenters to explore the advantages of children playing homemade musical instruments. Also, due to Dr. Costley's career as a published piano literature composer, the idea was conceived to advocate the use of rhythm in the classroom as not only a fun thing for children to do, yet a pre-requisite step to further enjoyment in music as well as singing or making music on 'real instruments.' Dr. Leggett brought to the conference about 20 homemade musical instruments and also gave attendees a detailed handout containing web sources on how to make musical instruments. **The websites are attached to this document**. Attendees enjoyed the workshop and were convinced that homemade musical instruments are easy to make and would be very useful in their daily instruction of young children.

Appendix A

The Bloom's Taxonomy

ATU – Early Childhood Education

Adopted, January, 2008

Level 1 - Knowledge: (involves nothing but rote memory)

Compute, count, define, draw, identify, label, list, match, name, read, recall, recite, record, repeat, select, sequence, state, view, tell, write

Level 2 - COMPREHENSION: (involves memory and a demonstration to help the student know what the facts mean)

Classify, define, describe, discuss, elaborate, estimate, explain, express, illustrate, interpret, locate, paraphrase, predict, report, restate, review, show, summarize

Level 3 - APPLICATION: (Involves using facts in a new context, either by providing an original example or by using information the student knows to accomplish something)

Articulate, change, chart, compute, construct, diagram, dramatize, illustrate, manipulate, modify, order, operate, predict, paint, prepare, produce, using, solve problems, write examples

Level 4 - ANALYSIS: (involves dividing a complex idea to form a new idea)

Analyze, classify, combine, contrast, compare, correlate, debate, diagram, differentiate, distinguish, take away (*math), combine, take apart (*math), examine, experiment, infer, limit, prioritize, locate information separate, subdivide, question

Level 5 - SYNTHESIS: (involves putting together several ideas to form a new idea)

Adapt, arrange, assume, categorize, combine, compare, communicate, compile, compose, construct, contrast, derive, design, elaborate, explain, generate, hypothesize, imagine, model, modify, negotiate, organize, perform, plan, translate, and write

Level 6 - EVALUATION: (involves judging a complex idea against a criterion)

Appraise, assess, compare, contrast, conclude, criticize, decide, defend, determine, judge, predict, prioritize, rank, rate, refute, select, validate, justify

Note the following:

1) Verbs that are found on more than one level of Bloom's can be used at different levels depending on the activity, level of understanding, and context.
2) **ALWAYS AVOID THE FOLLOWING VAGUE VERBS:**
   give, do, demonstrate, understand, learn, create, apply, use, comprehend

<u>Disclaimer</u> – Most of the verbs on the above 6 levels are used for elementary school academic core content areas such as Reading, Language Arts, Writing, Mathematics, Social Studies, and Science. Few verbs are included for the <u>non-core subjects such as Music, Art, and P.E</u>.

Appendix B

Behavioral Objectives Defined

- What is the advantage of writing a Behavioral Objective?
- The advantage is: We hope that writing clear objectives will <u>improve the quality of instruction.</u>

 In lesson planning, the teacher can only ASSESS behaviors; therefore, the Behavioral Objective must have a **MEASURABLE verb included so the objective can be assessed**!!! Behavioral objectives are **NOT** just stating lesson activities; **they are measurable objectives that can be ASSESSED at the end of instruction**!

<u>A DEFINITION</u>

- A behavioral objective is a clear description of **learner outcomes** that students will show (behaviors). When written in *behavioral terms*, an objective will include <u>three components</u>: **student behavior, conditions of performance, and performance criteria.**

There are three (3) Parts of a Behavioral Objective…

1. **Student Behavior** – skill(s) or knowledge (**CONTENT**) to be gained (e.g., two digit numbers, vocabulary words) and the **action** the student is **WILL DO** AND **DEMONSTRATE to the teacher in a formal assessment** (e.g., define, count, label, categorize, analyze, design, evaluate, add, multiply, etc.)
   o Examples: The students will **add** two-digit numbers; the students will **define** the vocabulary words identified in bold print in the first story.
2. **Conditions of Performance** -- Under what *circumstances* or *context* will the behavior be performed by the student?

- Examples: In an oral presentation, on a worksheet, singing a song, making a speech, etc.
3. **Performance Criteria** -- How well is the behavior is to be done?
   - Examples: with an 80 percent accuracy rate, answering 3 out of five questions correctly

***Many Behavioral Objectives begin with the words, "The student(s) will …"
Below are two well-written behavioral objectives:

The students will identify the parts of a plant on a worksheet with an accuracy rate of 90 percent.
---*Some objectives begin with the Condition of Performance before beginning with, "The students will…"*

*See the example below.

- <u>In an oral presentation</u>, the student will paraphrase Dr. Martin Luther King's "I Have a Dream" address, mentioning at least 3 of the 5 major points discussed in class.

SEE NEXT PAGE

The student(s) will *identify* the *parts of a flower* on a

work sheet **with an *accuracy rate of 90* percent.**

The student(s) will _____*verb*_____

(The verb MUST be MEASURABLE)

CONTENT (what you are teaching from the curriculum frameworks—standards)

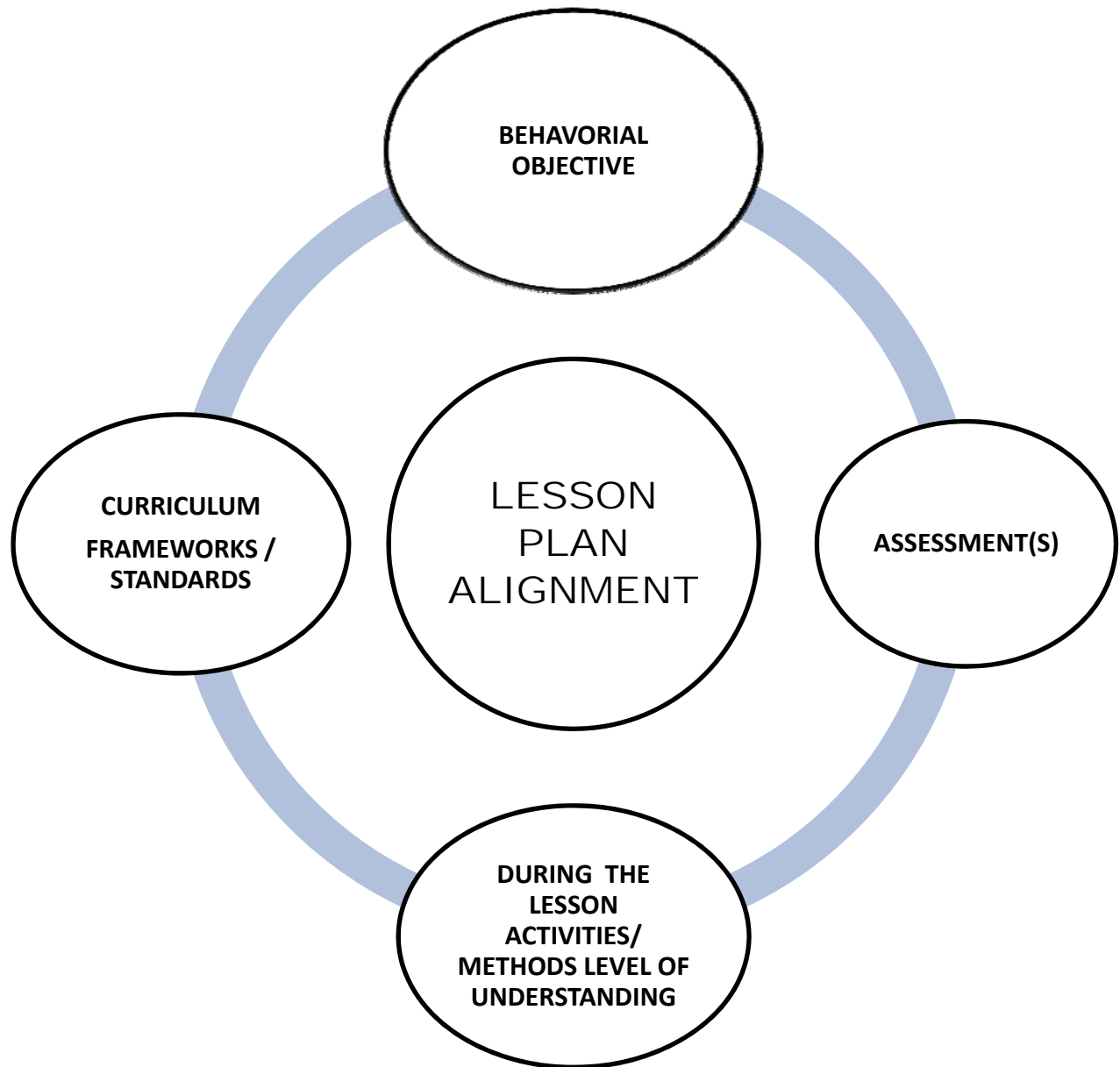**On WHAT** (a worksheet, oral presentation?)

HOW MUCH (With an accuracy rate of 90 perce**nt)**

Appendix D

LESSON PLANNING—CURRICULUM

ALIGNMENT (Look counterclockwise)

Kevin C. Costley, Ph. D.

BEHAVORIAL
OBJECTIVE

CURRICULUM
FRAMEWORKS /
STANDARDS

LESSON
PLAN
ALIGNMENT

ASSESSMENT(S)

DURING THE
LESSON
ACTIVITIES/
METHODS LEVEL OF
UNDERSTANDING

Music Sites:

1. **Fun Brain**

http://www.funbrain.com/notes/index.html

Ages 3-5…This internet site teaches children musical notes on a piano keyboard. This has 4 different difficulty levels - beginner, intermediate, expert and virtuoso.

2. **Disney Sing Along**

http://members.aol.com/weisKat/Home.html

This is a wonderful site with Disney sing along songs. This site has some wonderful things for children.

3. **Weenies**

http://www.bbc.co.uk/cbeebies/tweenies/songtime/

This goal covers areas such as, music, art, dance, role-play and imaginative play. Stimulating environments should be provided for these creative activities to take place. There are some great features on the Weenies site to promote creativity by singing and dancing along to songs. Learning the words to songs helps encourage language development as children begin to recognize words and letters, which is reinforced by rhyme.

4. **Think Quest**

http://library.thinkquest.org/15413

This interactive, online musical experience puts the world of music at your fingertips. Theory, History, Styles, Professions, and Instruments are explained fully. Learn about note reading and chords, and explore historical information spanning from Medieval Times.

5. **The Chuckle Berries**

www.thechuckleberries.com

Grade Level: K-4 The Chuckle Berries: Offers great children songs to download

5. Kids Domain

www.kidsdomain.com/games/music/html

Grade Level: Pre-K-5…Kids Domain: This site is filled with over 20 musical games.

7. Kididdles

www.kididdles.com

Grade Level: Pre-K-2 This is a great site for preschool and kindergarten children. It offers a musical museum. There are over 2,000 song lyrics available.

8. Music Web

www.childrensmusic.org

Grade Level: 1-5

Children's Music Web: Kids can make their own CD. Basically, it is a children's radio site. Good for background music while students are working in centers or on extra homework.

9. San Francisco Symphony Kids

www.sfskids.org/templates/home.asp?pageid=1

Grade Level: 1-5

SFS Kids: Introduces instruments that are present in an orchestra. A music lab is available for children to experiment sounds and notes. Learn about different musicians. The section on Music Styles is very in-depth and gives the definition and background on all types of music ranging from Caribbean to Rock. Languages: English.

10. Barney

http://www.hitentertainment.com/barney/index2.asp

Grade Level: Pre-K -Kindergarten

This website is the Barney Website. I chose this page because many children are familiar with Barney and like to sing along with the songs that Barney sings in his television programs. The songs are also available in Spanish and English. This website has a variety of songs and different games and activities that would be excellent for young children.

11. Geo Cities

http://www.geocities.com/EnchantedForest/Glade/7438/

Grade Level: Pre-K – 2nd Grade

Most of these songs will be familiar to young children and easy to sing along with. It also has a wide variety of songs to choose from.

12. Very Best Kids

http://www.verybestkids.com/category.aspx?cat=CA

This website would be very interesting for children Pre-K- around 3rd grade, maybe older. When you click on Reading and singing together, it brings up a list of books and songs. It plays songs with pictures that go with the words and the words are highlighted as you read.

13. Net Rover

http://www.netrover.com/~kingskid/dinsing.html

I would use this website for kindergarten, 1st, or 2nd graders. It has a list of songs you can download. It also has the words written and you can play the music with or without the words.

14. K Bears

http://www.kbears.com/

This website could be used for children of any age. It has a piano and when you click on each of the keys it makes the real piano sounds.

15. **Data Dragon**

http://datadragon.com/education/instruments/index.shtml

This website could be used by people of any age. It has a picture of many different and when you click on the picture it plays music. This way you know what each instrument sounds like.

16. **Gia Music**

http://www.giamusic.com/music_education/Elementary.html

Gia Music's website is an excellent resource for teachers. This site has numerous products available for purchase, along with descriptions and testimonials for each item. There are some religious materials on this site, but there are also many items that would be great in an elementary classroom. These materials could also be adapted to fit whatever grade you were teaching.

17. **Land of Music**

http://www.landofmusic.com/

Land of Music's webpage is all about teaching children how to read, write, and perform music, and in a short period of time. There is an online store on this page that allows the teacher to purchase everything he/she would need to include Land of Music into the curriculum. There are also color sheets of animated musical notes, which is cute.

18. **Musical Mysteries**

http://www.bbc.co.uk/northernireland/schools/4_11/hurley/flash/music1/music1.html

On this site the students make their own music. The students learn musical notes and where to put them.

Ages PreK-3

19. Violin Music

http://www.centrum.is/hansi/

On this site the students will make a violin. The students learn how a violin sounds and the different notes a violin makes.

Grades 1-4

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20. MENC: The National Association for Music Education

http://www.menc.org/

This is an excellent site because it has several interactive games for children of all ages, and it has some great information on music, and since it is a national association, the information is reliable.

21. Art's Alive

http://www.artsalive.ca/en/mus/index.html

It has several resources for children where they can listen to music and meet composers, but one of the greatest things about this site is that they have downloadable teacher resource full booklets on certain composers and other musical areas of interest. A teacher can form an entire musical unit from this website.

22. Teaching ESL through Music

http://caslt.org/research/music.htm

It has several excellent ideas and resources for teachers, but it also includes lots of fun games for ESL children such as a Treasure Hunt and Listening links.

23. Music Education Madness

http://www.musiceducationmadness.com/

This website is a good website for children and teachers. The website includes games such as musical tic-tac-toe, and Stump the Music Teacher.

24. Mrs. Carroll's Music Room

http://webtech.kennesaw.edu/lland/

It has several links to great sites, and it also includes interactive games for children.

25. Kinder Music

http://www.kindermusik.com/

This site is a wonderful music site for parents of babies, toddlers, and/or very young children or a preschool program looking to find out what benefits music offers young people.

26. Music for Little People

http://www.mflp.com

Music for Little People is basically an online catalog.   Ages 3-5

27. Harcourt School

http://www.harcourtschool.com/activity/pattern/pattern.html

This page at the Harcourt school web site is a great idea for young learners and kids of all ages. It has a keyboard to play with.

28. Nyphil Kids

http://www.nyphilkids.org/main.phtml

Orchestra and instruments; ages 6-9

29. Nick Junior

http://www.nickjr.com/

Nickelodeon characters; ages 3-5

30. ALFY

http://www.alfy.com/Music_Mania/index1.asp?FlashDetect=True

Instruments; ages 3-9

31. Kids Space

http://www.kids-space.org/HPT/menu.html

Town setting; ages 3-9

32. Music K-8

http://www.musick8.com/

This site was great for teachers and students grades k-8. It contained lesson plans, music games, a song collection, and a helpful search engine…

33. Ed helper

http://www.edhelper.com/cat223.htm

Music lesson plans for grades prek-12! It contained ideas for teaching all different subjects with music, links to other helpful sites, and printable worksheets.

34. Perpetual Preschool

http://www.perpetualpreschool.com/music.html

Music and Movement Activities (Teacher Resource)   (3-5 years)

35. **Playhouse Radio**

http://www.playhouseradio.com/

Free Children's Music (For Teachers and Children)   (3-9 years)

36. **Musical Website**

http://www.boowakwala.com/

Music Interactive Site for Children   (0-6 years)

47. **Mother Goose**

http://mothergoose.com

Play monkey music and find good nursery rhymes her. Ages 3-5

38. *PBS Kids*

http://pbskids.org/barney/children/music/index.html

Sing songs with Barney here. Ages 3-5

39. *Kinder Planet*

http://www.kinderplanet.com/music.htm

This is another website that has a number of old favorite. This website would be appealing to children because there are very bright colors and graphics. There are pictures of musical instruments that make music seem more appealing.

Dr. Timothy Leggett