# MAKING SENSE OF THE MESS: ALIGNING CURRICULUM TO STATE AND NATIONAL STANDARDS

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Data indicated concerns with teacher candidate performance



Courses not consistently or effectively aligned to program standards





Program standards changed



State assessment focused more and more on candidate performance in the field

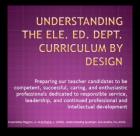
#### SETTING THE STAGE AND KEEPING ALL INVOLVED



Analyze data, state and national expectations



Be open with all information



Professional development in curriculum alignment process



Gain approval all along the way



Gain consensus; involve all; realize group size changes according to purposes



Communicate, Communicate, Communicate

#### THE PROCESS

**12. Create Master Course Modules** 

11. Course Directors add SLOs, Assignments, &

**Assessments** 

10. Communicate
Guidelines for
Course Creation

9. Determining the Guarantee:
Content,
Processes, &
Assessments
(Assignments)

1. Design the Department Curriculum Plan

2. Unpack the National Program Standards

3. Winnow & Craft Program
Learning
Objectives
(PLOs) & Assessments

4. Unpack the State (TExES) Standards

8. Arrange PLOs and SLOs across courses

7. Align the PLOs and SLOs

6. Craft Student Learning Objectives (SLOs) from the TExES

Standards,4 etc.

5. Winnow Down

**TEXES Standards** 

#### **CURRICULUM PLAN**

- 1. Vision and Mission
- Curriculum Design Process
- 3. Roles and Responsibilities with Organizational Chart
- 4. Curriculum Delivery Procedures Program Coordinator, Course Directors, Faculty Instructors, & Adjuncts
  - a. Master Course Modules Maintained by Course Directors
  - Faculty Development and Coordination of Specific Courses Maintained by Course Directors
- 5. Curriculum Monitoring and Evaluation
  - Unit and PLO Assessment data are maintained in TracDat and LiveText Instructors
  - At least annually, Unit and PLO Assessment data are reviewed Program Coordinator
  - Al least annually, courses are reviewed to determine if changes are needed as a result of Unit and PLO Assessment Data – Course Directors and Program Coordinators

- Let's Unpack an ACEI Standard Together
- ACEI Standard 3.1 Integrating and applying knowledge for instruction—Candidates plan and implement instruction based on knowledge of students, learning theory, connections across the curriculum, curricular goals, and community;

UNPACKING THE STANDARDS!

Identify Verbs – Thinking Level?

Plan – Application Implement – Application

Identify Content – Know or Do?

Know – knowledge of students, learning theory, integrating curriculum, goals, community <u>Do</u> – plan, implement content

#### **CONTENT (KNOW)**

Knowledge of students – stages of development, stages of oral language development
Learning theory (motivation – Maslow, (cognition – Koffka, Kohler, Lewin, Piaget, Ausubel, Bruner, Gagne), (behaviorism – Thorndike, Pavlov, Watson, Guthrie, Hull, Tolman, Skinner), Humanistic – (Tennet, Maslow, Rogers, Social and Situational (Bandura, Lave and Wenger, Salomon) Curriculum Integration, Goals, Objectives, Alignment, Units

#### PROCESSES (DO)

Design lesson
Craft learning goals/objectives
Align lesson to state standards
(includes assessment)
Implement technology, resources,
activities to engage learners.

- Your Turn Find a friend or two 8 Minutes
- ACEI Standard 5.1 Candidates know, understand, and use formal and informal assessment strategies to plan, evaluate, and strengthen instruction that will promote continuous intellectual, social, emotional, and physical development of each elementary students.

Identify Verbs – Thinking Level?

Identify Content – Know or Do?

CONTENT (KNOW)	PROCESSES (DO)

UNPACKING THE STANDARDS!

#### WINNOWING & CRAFTING PLOS

- ACEI Standard 3.1 Candidates plan and implement instruction based on knowledge of students, learning theory, connections across the curriculum, curricular goals, and community
- ACEI Standard 3.2. Candidates understand how elementary students differ in their development and approaches to learning, and create instructional opportunities that are adapted to diverse students
- ACEI Standard 3.3 Candidates understand and use a variety of teaching strategies that encourage elementary students' development of critical thinking and problem solving
- ACEI Standard 3.4 Candidates use their knowledge and understanding of individual and group motivation and behavior among students at the K- 6 level to foster active engagement in learning, self motivation, and positive social interaction and to create supportive learning environments
- ACEI Standard 3.5 Candidates use their knowledge and understanding of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the elementary classroom

PLO 3 Candidates use their knowledge of students, learning, curriculum, environment, diversity, communication, and community to plan and implement collaborative engaging, thought provoking, inquiry-based instruction to meet the needs of all learners.

### YOU TRY - WITH YOUR PARTNER - 7 MINUTES

ACEI Standard 5.1. Candidates are aware of and reflect on their practice in light of research on teaching, professional ethics, and resources available for professional learning; they continually evaluate the effects of their professional decisions and actions on students, families, and other professionals in the learning community and actively seek out opportunities to grow professionally.

ACEI Standard 5.2. Candidates know the importance of establishing and maintaining a positive collaborative relationships with families, school colleagues, and agencies in the larger community to promote the intellectual, social, emotional, physical growth, and well-being of children.

For five minutes, work to combine these into one Program Learning Objective.

#### WINNOWING STATE STANDARDS

#### The state standards for each content area are unpacked. Then it is time to winnow!

Standard I. The science teacher manages classroom, field, and laboratory activities to ensure the safety of all students and the ethical care and treatment of organisms and specimens.

Standard II. The science teacher understands the correct use of tools, materials, equipment, and technologies.

Standard III. The science teacher understands the process of scientific inquiry and its role in science instruction.

Standard IV. The science teacher has theoretical and practical knowledge about teaching science and about how students learn science.

Standard V. The science teacher knows the varied and appropriate assessments and assessment practices to monitor science learning.

Standard VI. The science teacher understands the history and nature of science.

sciences.

Standard VII. The science teacher understands how science affects the daily lives of students and how science interacts with and influences personal and societal decisions.

Standard VIII. The science teacher knows and understands the science content appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in physical science.

Standard IX. The science teacher knows and understands the science content appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in life science.

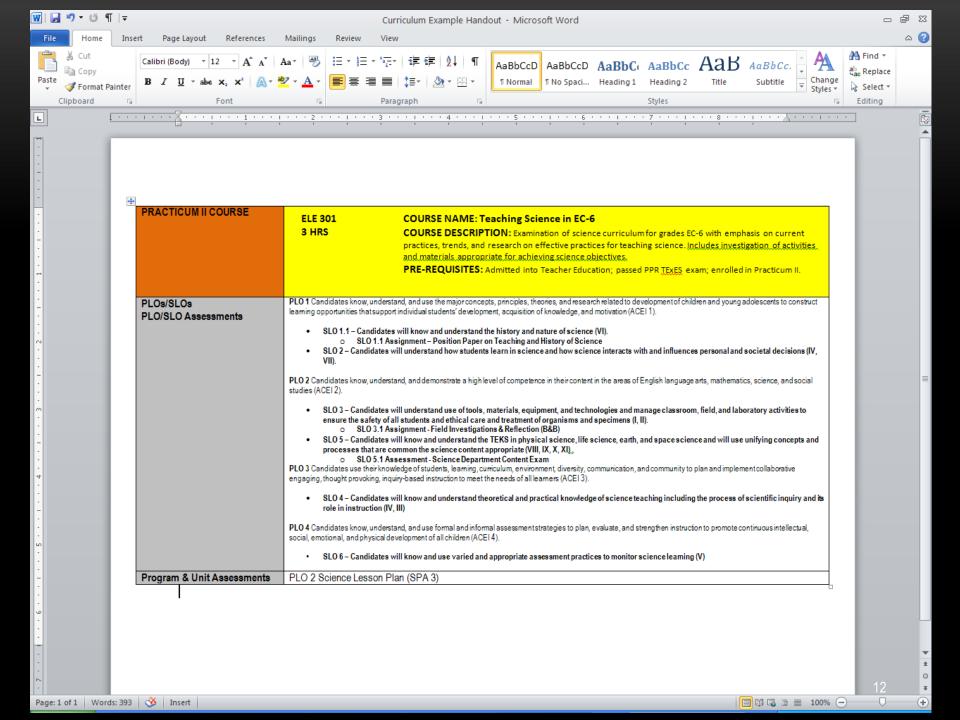
Standard X. The science teacher knows and understands the science content appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in Earth and space science. Standard XI. The science teacher knows unifying concepts and processes that are common to all

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#### WINNOWING STATE STANDARDS

#### The state standards are combined if possible and Student Learning Objectives crafted.

- SLO 1 Candidates will know and understand the history and nature of science (VI).
- SLO 2 Candidates will understand how students learn in science and how science interacts with and influences personal and societal decisions (IV, VII).
- SLO 3 Candidates will understand use of tools, materials, equipment, and technologies and manage classroom, field, and laboratory activities to ensure the safety of all students and ethical care and treatment of organisms and specimens (I, II).
- SLO 4 Candidates will know and understand theoretical and practical knowledge of science teaching including the process of scientific inquiry and its role in instruction (IV, III)
- SLO 5 Candidates will know and understand the TEKS in physical science, life science, earth, and space science and will use unifying concepts and processes that are common the science content appropriate (VIII, IX, X, XI).
- SLO 6 Candidates will know and use varied and appropriate assessment practices to monitor science learning (V)



#### **NEXT STEPS**



- Meeting with Course Directors and adding other content, processes
- Professional Development with Course Directors concerning course creation with D2L (face to face and online)
- Creation of Master Courses
- Course Approval Department and OIT with online courses
- Course Professional Development for Instructors & Adjuncts
- Course Implementation

## QUESTIONS



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