Eductional Technology Minor

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Tell Me More about the Ed Tech Minor

I want to know more about the Ed Tech Minor. Adding my name here is EdTech's sign of interest. I am NOT signing up for the minor on this form. Please contact Dr. Zele (215-273-2240 or edtech@uni.edu) if you want to know more about signing up for the Ed Tech Minor.

* Required

** Full Name *
Your answer

** Email Address *
Your answer

Tinyurl.com/TellMeMoreEdTech

SYSTEMATIC INSTRUCTIONAL DESIGN

- Universal Design for Learning
- Using Backwards Design to Develop
- Thematic Units Aligned with the Iowa Core

OUTCOMES FOR TODAY

- Differentiate diff between Learning/Teaching
- Explore UDL and its Applications
- Describe the components of Inst. Design
- Relate activities to the Iowa Core Curriculum
- Summarize the ISTE Standards - Students
- Identify the parts of TPACK
- Discuss how to Design Thematic Unit activities using Backwards Design

RWLD
WHAT IS LEARNING?

Learning is the process that leads to change demonstrated through behavior.

WHAT IS TEACHING?

Teaching is creating an environment where learning can occur. Teacher lead, student driven.

MAXIMIZING LEARNING FOR ALL
CURB RAMPS

Universal Design

UDL AT A GLANCE (CAST)

What Connected?

UDL CALLS FOR MULTIPLE MEANS OF...

Representation/Recognition
Action & Expression
Engagement

WHAT IS INSTRUCTIONAL DESIGN?

THE COMPONENTS OF ID...

Who - Learners
What - Content
How - Process
How Do You Know?
WHO – LEARNERS
- Age
- Skill Level
- Interests
- Background
- Diversity
- Special Needs

WHAT – CONTENT

WHAT – CONTENT
Iowa Core
- Math
- Literacy
- Science
- Social Studies
- 21st Century
  - Civics
  - Employability
  - Financial
  - Health
  - Technology

WHAT IS MISSING?
- Fine Arts
- Computer Science
- P.E. & Health
- World Languages
- Family/Consumer Science
- Industrial Tech
- Agriculture

ISTE STANDARDS – STUDENTS

HOW DO YOU KNOW?
Assessments
- Align w/Outcomes (Skills)
- Observable
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- Measurable
- Appropriate

It’s NOT about tests!!!!
THE COMPONENTS OF ID . . .

Who - Learners
What - Content
How Do You Know?
How - Process
Remember this?

BACKWARDS DESIGN

1. Identify Desired Results.
2. Determine acceptable evidence.
3. Plan learning experiences and instruction.

Now You Do It!!

BACKWARD DESIGN & ALIGNMENT WITH STANDARDS

• Identify your grade level
• Use Iowa Core to Identify Your WHAT.
  •  Earth and Space > Weather > Patterns.
• Identify HOW YOU WILL KNOW.
  • Observable verbs
  • tinyurl.com/blooms249
• HOW are you going to teach it?

Outcome Examples

Students will:

• Identify 3 types of corn.
• Summarize the events in Hamlet.
• Apply the Pythagorean Theorem to an engineering problem.
• Categorize a group of animals by species.
• Choose the best verb to complete the sentence.
• Write a descriptive story.

TPACK

TECH, PEDAGOGY, CONTENT
THE THEMATIC UNIT

• Context
  • Theme
    • Grade, Subjects
    • Environment
  • Learners
    • Characteristics
    • Diversity
    • Special Needs
    • Competencies

• Framework

CONCLUSION

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