

Agenda - Day 1



- ¹ The "Big Ideas" of UbD
- **№** Goal Types
- 🗹 🕒 -- Design Time –
- **[™]** Gallery Walk Sharing
- **™** UbD Supportive Websites

Agenda - Day 1



- ☐ Gallery Walk Sharing
- ☑ Stage 1 Tips, Q&A
- **✓** Stage 2 Assessing Understanding
- **[™]** Stage 2 GRASPS
- ☑ Stage 3 Learning Plan

Workshop Resources







Three-Minute Pause



Meet in groups of 3 - 5 to...

- $\sqrt{\text{summarize key points.}}$
- $\sqrt{\text{ add your own thoughts.}}$
- $\sqrt{\text{pose clarifying questions.}}$

An Understanding-based Curriculum

Teach & Assess for Understanding & Transfer

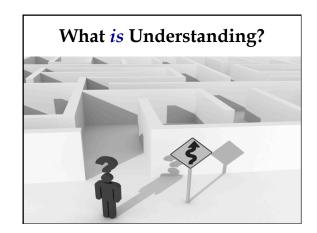
Plan Curriculum "backward"

3 Stages of Design

Understanding by Design

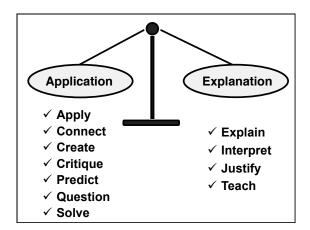
is not...

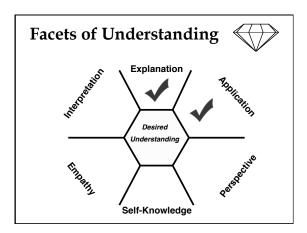
- · a prescriptive program
- an instructional model
- incompatible with some subject areas



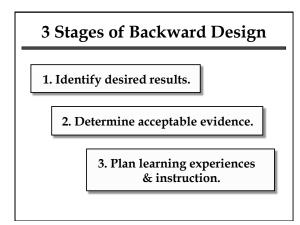
T-Chart Process	
Someone who really understands	Someone who knows a lot but doesn't understand
•	•
•	•
•	•
•	•
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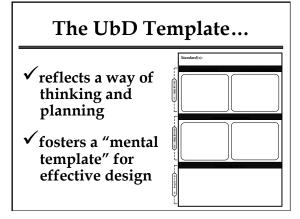
Someone who really understands	Someone who knows a lot but doesn't understand
✓ Apply ✓ Connect ✓ Create ✓ Critique ✓ Explain ✓ Interpret ✓ Justify ✓ Predict	+ Recall + Identify + Retell + State + Regurgitate
✓ Question ✓ Solve ✓ Teach	+ Plug in

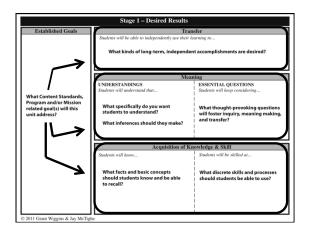




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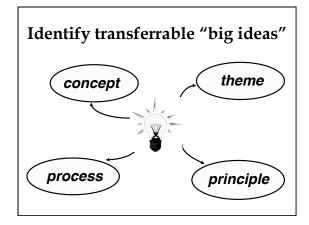


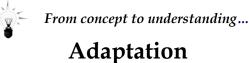
An Understanding ...

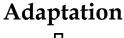


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- an abstraction (e.g., a concept, theme, principle)
- a transferrable idea
- has explanatory power









Students will understand that...

Understanding:

Living organisms adapt to survive harsh and changing environments.



From theme to understanding...

Friendship



Students will understand that...

Understanding:

True friendship is often revealed during challenging times rather than during happy times.



From a process to understanding...

Writing



Students will understand that...

Understanding:

Writers don't always produce a perfect product on their first try. They draft, proofread, and revise.

Types of Questions



Leading

What are the names of the four food groups?

Guiding

What do we mean by a "balanced" diet?

Hook

Can what you eat help prevent zits?

Essential

What should we eat?

Sample Essential Questions:



- How does art reflect, as well as shape, culture?
- How are "form" and "function" related in nature?
- In what way do effective writers hook and hold their readers?
- Who were the "winners" and who were the "losers" in _the Industrial Revolution _?

Concept Attainment



- 1. Compare examples (+) and non-examples (-) of a concept.
- 2. Identify the distinguishing characteristics of each.
- 3. Test your working definition against new cases.
- 4. Refine your concept definition.

What is the relationship between popularity and greatness in literature?

YES NO

When was the Magna Carta signed?

- r

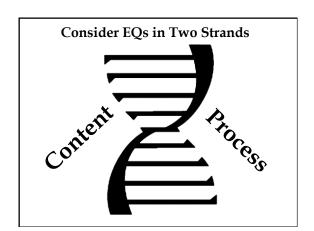
Crustaceans - what's up with that?

1 1

Which Canadian prime minister will have the most disappointing legacy?

What's the pattern? It depends on intent!

To what extent are science and common sense related?



Common Core Standards Mathematics

Model with mathematics.

Mathematical modeling



Big Idea Understandings:

- Mathematicians create models to interpret and predict the behavior of real world phenomena.
- Mathematical models have limits and sometimes they distort or misrepresent.

Mathematical modeling



Essential Questions:

- How can we best model this (real world phenomena)?
- What are the limits of this model?
- How reliable are its predictions?

21st Century Skills

Critical Thinking

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Critical Thinking



'Big Idea' Understandings:

 A critical thinker does not simply believe whatever they read, hear or view. They remain skeptical, ask critical questions, and seek alternative points of view.

Critical Thinking

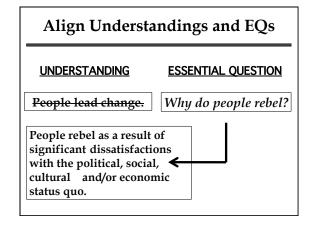


Essential Questions:

- How do I know what to believe in what I read, hear and see?
- Is this a credible and unbiased source?
- What other perspectives should I consider?

Connect Essential Questions with Desired Understandings Stage 1 - Desired Results ESTABLISHED GOALS Stadents will be able to independently use their learning to ... Meaning UNDERSTANDINGS ESSENTIAL QUESTIONS U < - - > EQ Acquisition Students will brow... Stage 2 - Evidence





Things are always changing.

So what?

Things are always changing, often in predictable patterns.

So what?

Recognizing patterns of change allows us to predict and prepare.

It's important to know what your body is doing.

Why?

 to get feedback on mechanics and performance to help prevent injuries

Monitoring what your body is doing can enhance performance and help prevent injuries.

Tips for Using Essential Questions:



- ✓ use E.Q.s to organize programs, courses, and units of study
- √ "less is more"
- ✓ edit to make them "kid friendly"
- **✓** post the questions
- **✓** invite student questions

3 Stages of Backward Design

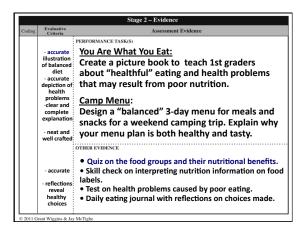
- 1. Identify desired results.
 - 2. Determine acceptable evidence.
 - 3. Plan learning experiences & instruction.

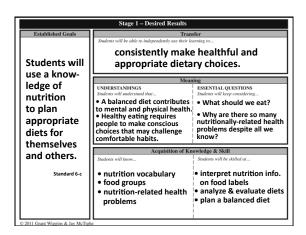
Think like an assessor, not an activity designer!



Design assessments *before* you design lessons and activities.

Be clear about what evidence of learning you seek.





example:

Provincial Tour



The Provincial Department of Tourism has asked your help in planning a four-day tour of British Columbia for a group of foreign visitors. Plan the tour to help the visitors understand the province's history, geography and its key economic assets.

You should prepare a written itinerary, including an explanation of why each site was included on the tour.

Science Investigation



The Pooper Scooper Kitty Litter Company claims that their litter is 40% more absorbent than other brands.

You are a Consumer Advocates researcher who has been asked to evaluate their claim. Develop a plan for conducting the investigation. Your plan should be specific enough so that the lab investigators could follow it to evaluate the claim.

example:

The Best Deal



Your friend has told you that he has just upgraded his cell phone plan with BS&S. The plan offers unlimited calls and texts for a fixed monthly fee. Your current plan is based on a price per call (in minutes) and text (mbs). He insists that his new plan is the best plan available and you should choose this same plan. Is he correct in his assumption that this is the best plan for you? Why or why not? Explain your position, cite your mathematical reasons, and show table(s)/graph(s) and equation(s) to support your recommendation.

example:

What's Wrong with Holden?



You are a member of Holden Caulfields case-review committee at the hospital from which Holden is telling his story. Your task is to write:

- 1) a diagnostic report for the hospital, OR
- 2) a letter to Holden's parents explaining what's wrong with him.

Base your analysis on Holden's own words.

example:

Personal Trainer



As a fitness trainer, your task is to design a personalized plan to help a client meet their fitness goal. (Client goals and characteristics are provided.)

Your fitness plan should include aerobic, anaerobic and flexibility exercises along with a proposed nutrition regimen.

example: What's Your Position? After reading _ ___ (literature or informational texts), write (essay or substitute) that compares (content) and argues (content). Be sure to support your position with evidence

example:

What's Your Position?



After researching school policies and student & staff opinions on Internet filters in schools, write a (blog, letter to the School Board, editorial for the school paper) that argues for your position. Support your position with evidence from your research. Be sure to acknowledge competing views.

example:

from the texts.

What's Your Position?



What makes something funny? After reading selections from Mark Twain and Dave Barry, write a review that compares their humor and argues which type of humor works for a contemporary audience and why. Be sure to support your position with evidence from the texts.

Designing Task Scenarios

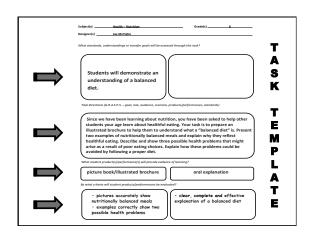


- ♦ What is the goal in the scenario?
- ♦ What is your role?
- ♦ Who is the audience?
 - ◆ What is your situation (context)?
- ♦ What products/performances
- will you prepare? P
- ♦ By what success criteria will your work be judged?

Performance Goal







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