

# NH Statewide Education Summit

## Differentiation of Instruction In a Competency-based Environment

Presenters:

**Eric Feldborg**

Dean of Students  
Great Bay eLearning Charter School  
Exeter, NH

[efeldborg@gbecs.org](mailto:efeldborg@gbecs.org)

**Jeffry Beard**

English Language Arts  
The Beech Hill School  
Hopkinton, NH

[jeffrybeard@gmail.com](mailto:jeffrybeard@gmail.com)

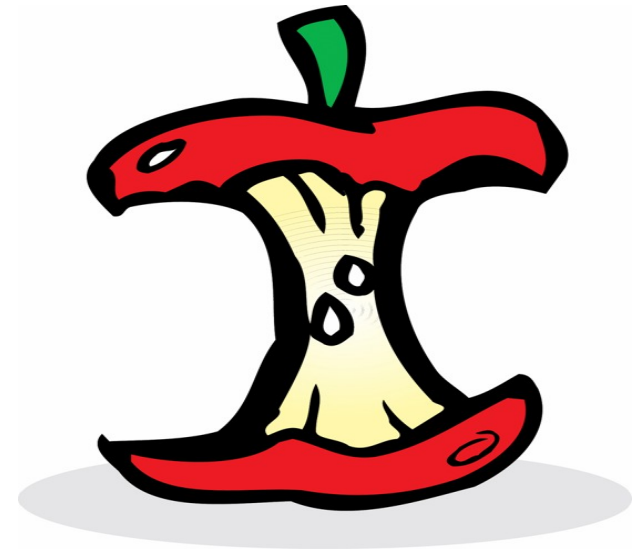
# Who's in the Room?

Poll for teachers (grade level?)  
Administrators?  
Media Center Specialists?

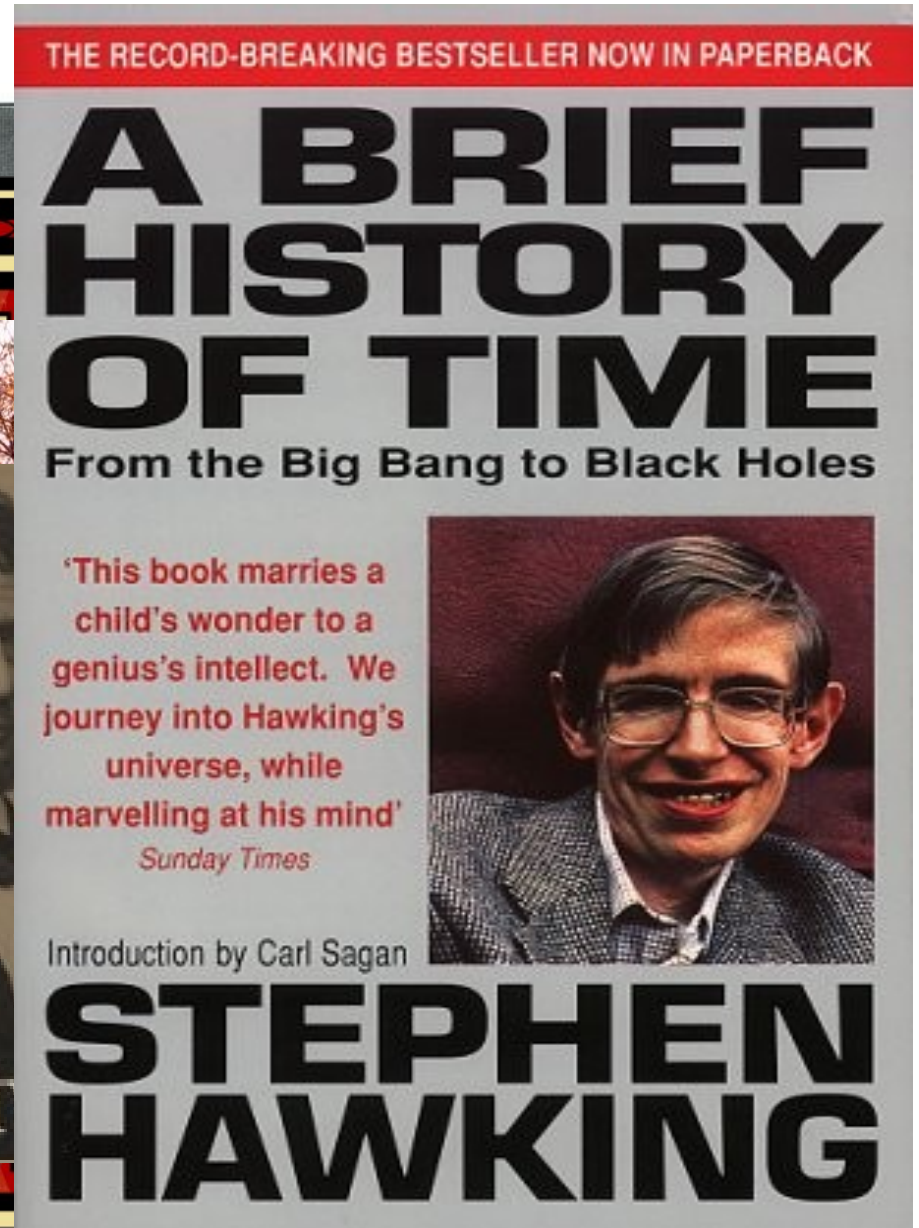
# Consider this learning goal...

"Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text."

**What text would  
you choose?**



# What about...



# What about...

**FOR**

**CHILTON**

VOLUME 166  
NUMBER 115  
50 cents  
72 pages bound  
24 in. by 16 in. by 10 in.

# The Boston Globe

TUESDAY, OCTOBER 26, 2004

SHOW ME GREAT

Temp: Partly cloudy this morning  
High 56-61 Low 44-49  
Tonight: Sunny to partly cloudy  
High 56-61 Low 40-45  
Next Day: 10:37 a.m. 71-82 p.m.  
Full Review: Page B3

## Police commander is said to fire at crowd

Among four officers with pepper pellets

By Donovan Slack  
and John Ellement  
GLOBE STAFF

The police commander in charge of the Fenimore Square area, including Fenway Park, when a 21-year-old college student was shot and killed, was one of four officers who fired pepper pellets into the mascot crowds celebrating the Red Sox American League pennant victory, according to two

people familiar with the investigation of the shootings.

Deputy Superintendent Robert E. O'Toole commands the Boston Police Department's Special Operations Unit, which includes the tactical team that used new high-force pepper-pellet guns early Thursday for the first time outside training. In addition, on that night, he was in charge of the massive deployment of all officers surrounding the ballpark, according to deployment records.

Shots from the pepper-pellet guns killed Victoria E. Shaqo and tore a hole in the

►Irreparable suit seen likely in pepper-pellet death, B4

check of 24-year-old Cambridge resident Paul Gohely. Pepper pellets fired by officers that night also pierced the skull of 19-year-old Boston University student Kapila Bhambhani.

At a press conference Thursday night, Police Commissioner Kathleen M. O'Toole said two people other than Shaqo were "sustained less serious injuries," but did not



Student Kapila Bhambhani

## Explosives were looted after Iraq invasion

UN nuclear official cites security lapse

By Farah Stockman  
GLOBE STAFF

WASHINGTON — Iraqi officials reported that they've looted 377 tons of powerful explosives from an unguarded site after the US-led invasion last year, the top UN nuclear official said yesterday. And a former weapons inspector said he had counted about 100 other unguarded weapons sites that may have been stripped of munitions for use in the wake of attacks against US soldiers and Iraqi civilians.

The explosives that were looted from the Al Qasab nuclear facility, apparently in April and May of 2003, had been sealed and monitored by International Atomic Energy Agency inspectors before the invasion. The explosives were monitored because they can be used to detonate a nuclear bomb, although Iraq was allowed to keep them because they also have civilian and conventional military uses.

Mohamed ElBaradei, head of the International Atomic Energy Agency, disclosed the security lapse to the UN Security Council yesterday after receiving a letter from the Iraqi Ministry of Science and Technology earlier this month that informed him of the loss and blamed it on "theft and looting of governmental installations due to lack of security."

News that such a large amount of specialized explosives had disappeared from the abandoned facility

IRAQ, Page A16

## WORLD SERIES SPECIAL SECTION, B1

### Their fans

The Cardinals faithful are regarded as fiercely supportive but also respectful of the opposition in their matchups. A2

### Their city

Many consider St. Louis a great place to live, with rich traditions, a relatively low cost of living, and no traffic problems. But it may not be the "world-class" designation. B1

### Our city

Boston officials speculate that still in the so-called year in for a parade if the Red Sox win the Series and begin to plan for a route that will stretch from outlying neighborhoods to the heart of the city. B1



Does it really matter how or  
from where the evidence  
comes?

That's the essence of  
**competency-based**  
and  
**differentiated**

# Session Plan

- Quick review
  - Competency-based learning
  - Differentiation
- Connection between Comp and Diff
- Strategies and Examples from Great Bay eLearning Charter School
- Other?

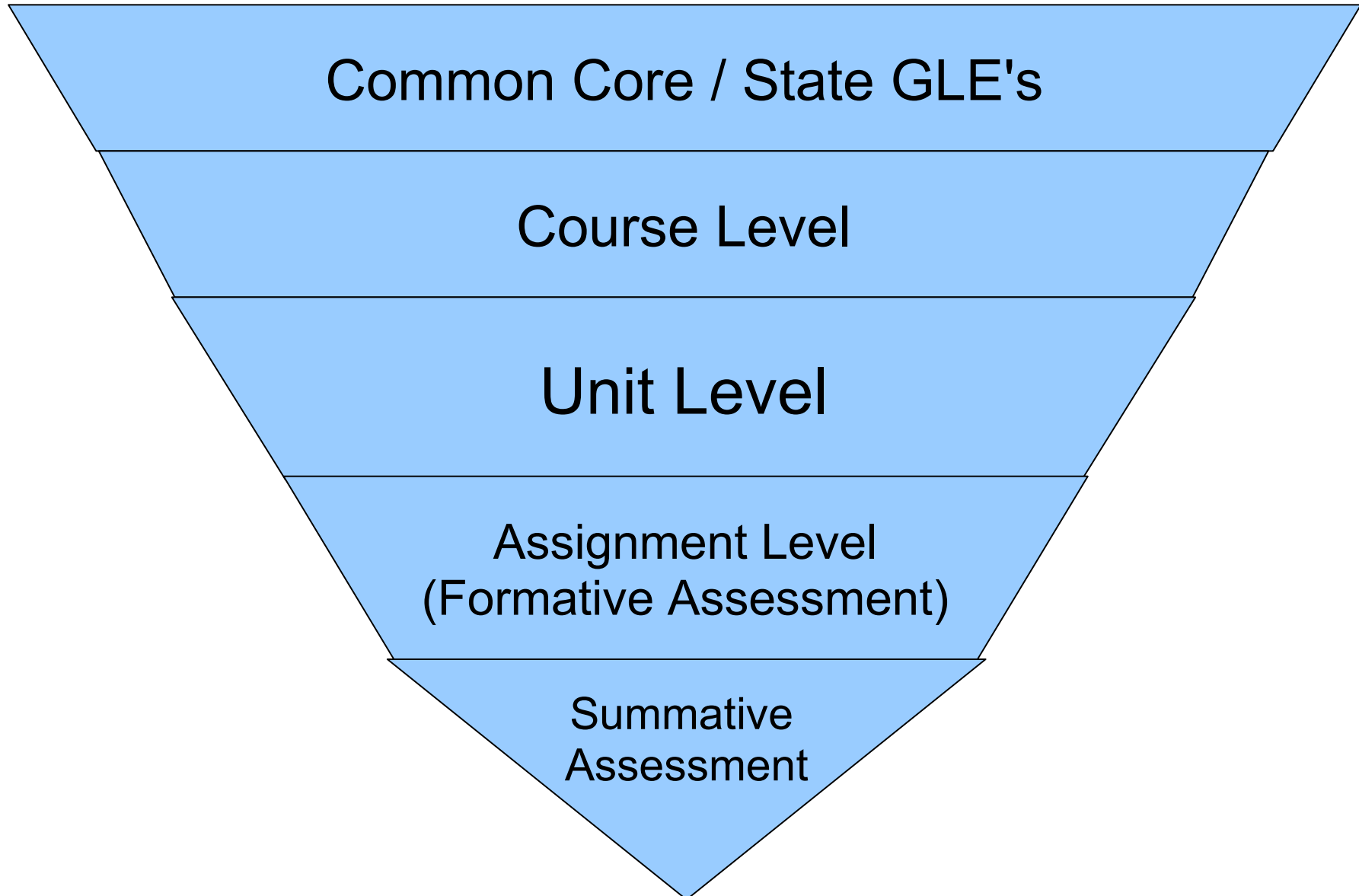
# Why Competency Based?

- It's the law since 2008-2009 (ED 306.27 (d))
- (d) By the 2008-2009 school year, the local school board shall require that a high school credit can be **earned by demonstrating mastery of required competencies** for the course
- See Technical Advisory from November 20, 2010 ([link](#))
- It's also good for teaching and learning

# Competencies

- AKA
  - Learning Goals
  - Learning Outcomes
  - Learning Objectives
  - Mastery Learning
- Descriptions of what students must know and be able to do

# Cascading Competencies



# Course Level Examples

9th Grade  
Physical Science

9th Grade  
English

10th Grade  
Biology

10th Grade  
American Studies

# Assignment Level Examples

10<sup>th</sup> Grade Bio:  
Biomes Presentation

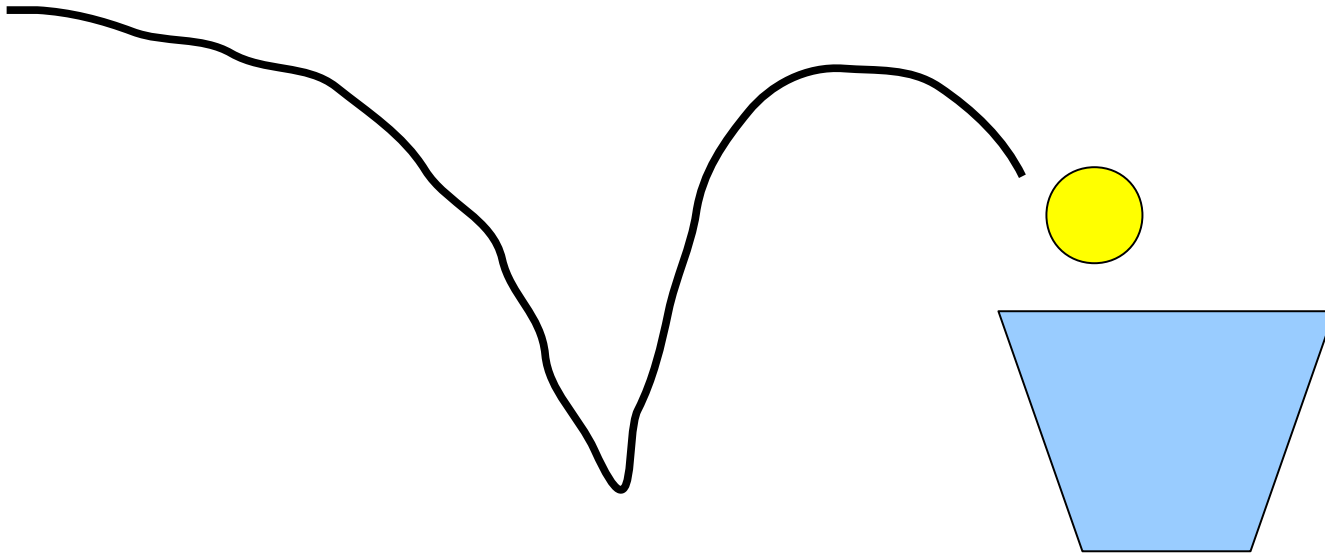
9<sup>th</sup> Grade English:  
LOTF  
Law and Order

10<sup>th</sup> Grade  
American Studies:  
Women's Rights  
Poster Project

9<sup>th</sup> Grade  
Physical Science:  
Accuracy Brochure

# A Parallel Example

- Example Competency
  - Bounce a foam practice golf ball into a plastic cup with one bounce.



# Performance Rubric

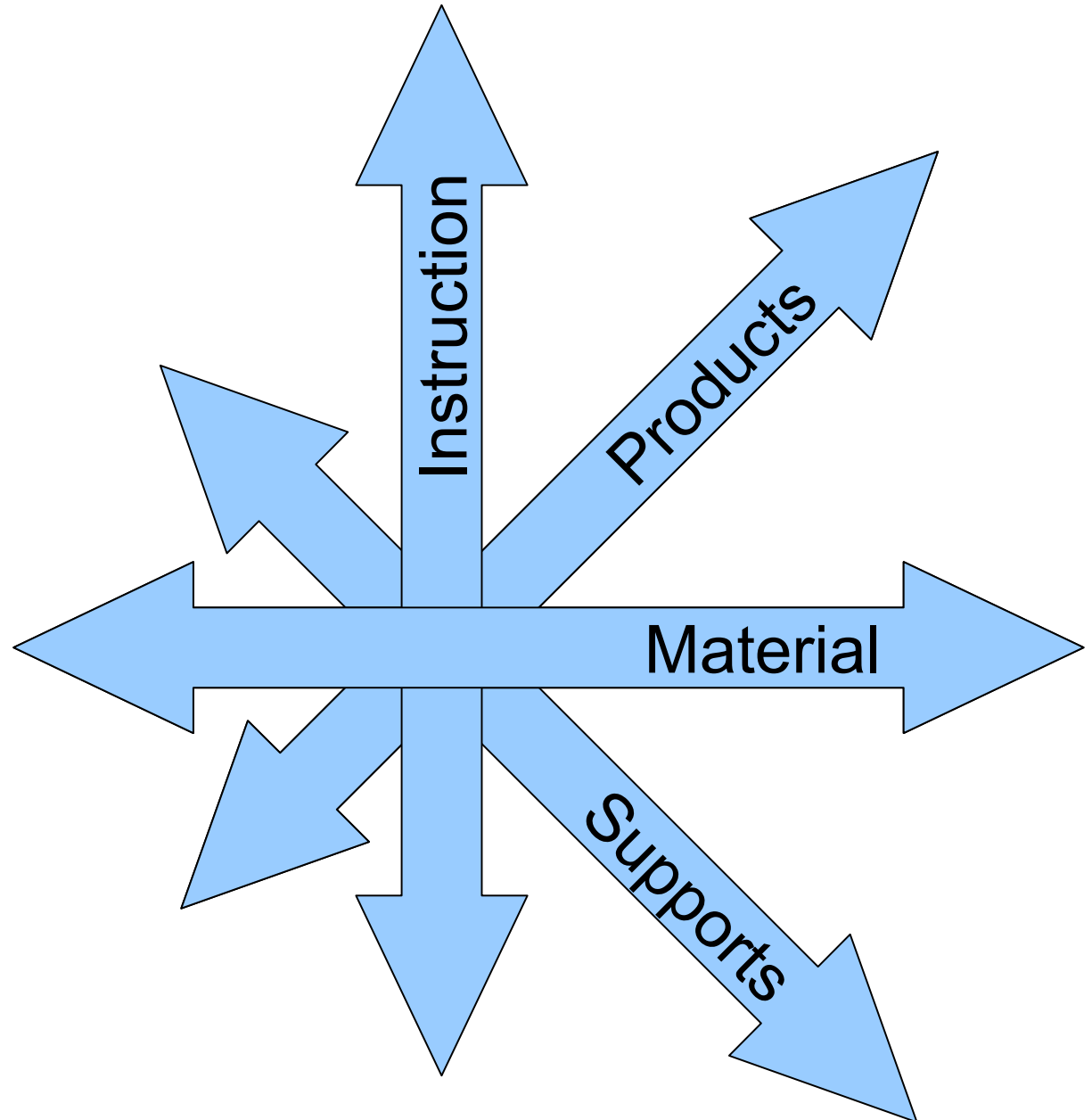
Performance Level	Description
Exemplary	Student can put ball in cup set at a variety of bounce points beyond 1 foot using either hand.
Proficient	Student can put ball in cup 4 out of 5 times when cup is within 1 foot of bounce point.
Approaching Proficiency	Student can get the ball to bounce, but only gets it in the cup 3 or less out of 5 attempts.
No Evidence	No performance has been observed or recorded on which to base an assessment.

# Time is Precious

Why did we just  
spend 7.83  
minutes doing this  
activity?

# Differentiation Review

Axes of  
Differentiation

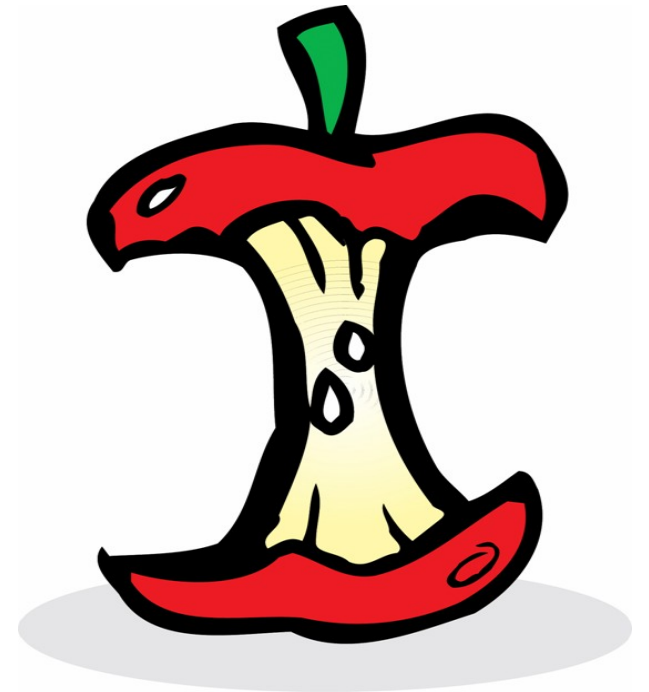


# Axes of Differentiation

- Material
  - Reading level/Lexile
  - Complexity
  - Affinity/interest
- Products
  - Written
  - Graphic
  - Visual performance
  - Auditory performance
- Instruction
  - Learning styles
  - Multiple Intel's
- Supports
  - Technology
  - People
    - Peers, family, educators
  - Additional materials
  - Parallel learning
  - reteach

# Differentiation is not about ...

- special education
- doing the odd problems vs. the even ones
- every activity hitting every intelligence
- replacing tests with projects



# Example of a School Wide Project



This I Believe

Presenters:

**Eric Feldborg**

Dean of Students  
Great Bay eLearning Charter School  
Exeter, NH

[efeldborg@gbecs.org](mailto:efeldborg@gbecs.org)

**Jeffry Beard**

English Language Arts  
The Beech Hill School  
Hopkinton, NH

[jeffrybeard@gmail.com](mailto:jeffrybeard@gmail.com)