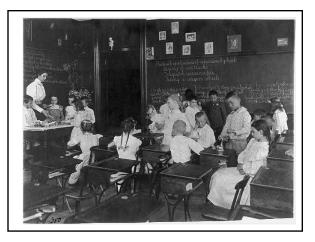
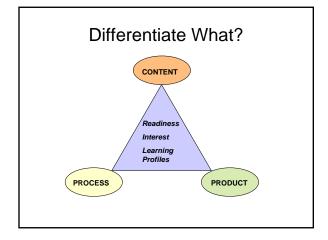
# Going Deeper with DI: RAFTS and Cubing

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## Introductions

It is the year 2014 and your school has just been selected as the top school in the region. Prepare a statement to the local news about what your classroom looks like and how that has contributed to the success of your students.





"When we differentiate, we give students tools to handle whatever comes their way – differentiated or not. This is why differentiated instruction and standardized testing are not oxymoronic."

Rick Wormeli. Fair Isn't Always Equal: Assessing and Grading in the Differentiated Classroom. (2006)

## RAFT



Role of the student. What is the student's role: reporter, observer, eyewitness, object?

Audience. Who will be addressed by this raft: the teacher, other students, a parent, people in the community, an editor, another object?

Format. What is the best way to present this information: in a letter, an article, a report, a poem, a monologue, a picture, a song?

Topic. Who or what is the subject of this writing: a famous mathematician, a prehistoric cave dweller, a reaction to a specific event?

## STRONG VERB!!

- Persuade!
- Support!
- Argue!
- Object!
- Critique!
- Predict!
- Demonstrate!!



		RAFT	Activities	
	Role	Audience	Format	Topic
Artis	Semicolon	Middle Schoolers	Diary entry	I Wish You Really Understood Where I Belong
& Laguage Arts	N.Y.Times	public	Op Ed piece	How our Language Defines Who We Are
-	Huck Finn	Tom Sawyer	Note hidden in a tree knot	A Few Things You Should Know
	Rain Drop	Future Droplets	Advice Column	The Beauty of Cycles
0000	Lung	Owner	Owner's Guide	To Maximize Product Life
" }	Rain Forest	John Q. Citizen	Paste Up "Ransom" Note	Before It's Too Late
[	Reporter	Public	Obituary	Hitler is Dead
Fillings	Martin Luther King	TV audience of 2010	Speech	The Dream Revisited
Į	Thomas Jefferson	Current Residents of Virginia	Full page Newspaper Ad	If I Could Talk to You Now
Hall	Fractions	Whole Numbers	Petition	To Be Considered A Part of the Family
, (	A word problem	Students in your class	Set of Directions	How to Get to Know Me

Format based on the work of Doug Buehl cited in <u>Teaching Reading in the Content Areas: If Not Me Then Who</u>

Billmeyer and Martin, 1998

# First Step in Designing RAFTS is...



## ...FOCUS!

Learning Goals: Knows, Understands, Be able to Dos

## **Developing RAFTS**

What do students need to ...

- KNOW: facts, vocabulary, dates/timeline
- UNDERSTAND: concepts, relationships
- DO: skills!

## Literature Example

**Concept**: Perspective

**Lesson Topic**: Point of View in To Kill a Mockingbird

Know: Definition of Point-of-view

Understand: Truth can look different from

different perspectives.

**Do:** Rewrite a scene from a perspective

other than the narrator's.

## **Elementary Social Studies Example**

- Concept: Culture
- Lesson Topic: Country Study
- Know:
  - Foods, celebrations, clothing, and jobs representative of specified countries
- Understand:
  - Every culture has its own unique beliefs, traditions, and behaviors.
- Do:
  - Compare and contrast the foods, clothing, jobs, and celebrations of different countries.
  - Recognize similarities and differences among people of different cultures.

## Grade 6 Social Studies RAFT

Students will

Know:

Names and roles of groups in the feudal class system.

### Understand:

Roles in the feudal system were interdependent. A person's role in the feudal system will shape his/her perspective on events. Be Able to Do:

Research

See events through varied perspectives Share research & perspectives with peers



## Feudal System Raft

	Role	Audience	Format	Topic
	King	The Subjects	Proclamation	Read My Lips, New Taxes
	Knight	Squire	Job Description	Chivalry, Is it for You?
	Lord	King	Contract	Let's Make a Deal
	Serf	Animals	Lament Poem	My So Called Life
	Monk	Masses	Illuminated Manuscript	Do As I Say, Not As I Do
Ī	Lady	Pages	Song	ABC, 123

Following the RAFT activity, students will share their research and perspectives in mixed role groups of approximately five. Groups will have a "discussion agenda" to guide their conversation.

-Kathryn S



## RAFTs can...

- Be differentiated in a variety of ways: readiness level, learning profile, and/or student interest
- Be created by the students or Incorporate a blank row for that option
- Be used as introductory "hooks" into a unit of study
- Keep one column consistent while varying the other columns in the RAFT grid



Using the materials supplied:

1. Develop a RAFT to use in your class
2. Differentiate the RAFT
3. Share with a colleague for input

## **WELCOME BACK!!**

Please sit with the following partners:

**ORANGE:** Sue and Adrienne

**GREEN:** Katherine and Karen

PINK: Carol and Jackie



## Cubing

- Describe It
  Look at the subject closely (perhaps with your senses in mind).

- Look at the subject closely (perhaps with your senses in mind).

  Compare It
  What is it similar to? What is it different from?

  Associate It
  What does it make you think of? What comes to your mind when you think of it? Perhaps people? Places? Things?

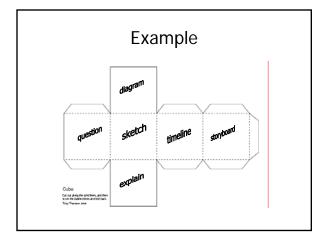
  Feelings? Let your mind go and see what feelings you have for the subject.

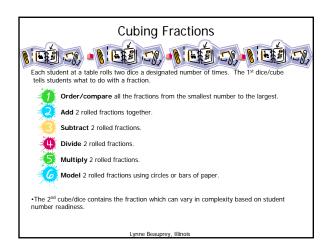
  Analyze It
  Tell how it is made. If you can't really know, use your imagination.

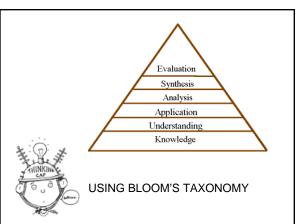
  Apply It

Apply It
Tell what you can do with it. How can it be used?

Argue for It or Against It
Take a stand. Use any kind of reasoning you want—logical, silly, anywhere in between.







## **CUBING**



## Directions:

- Work with 2 partners to complete the whole plant cube.
- Roll the dice to see who does each part of the cube.
- Share your work with your partners. Get their "stamp of approval".

<u>List and Define</u> the parts of a plant. Check your spelling, write in sentences. Draw and Label a plant and all its parts. Tell the job of each part. Compare each part of a plant to something it is like in your life to show how the things are alike.

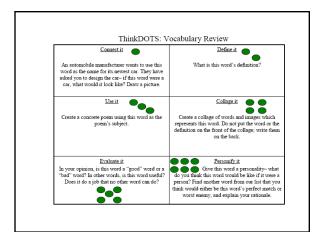
Re-design a plant to make sure all its needs are met, but in a "new and better" way. Use words to explain.

Prove that every part of a plant is necessary for the plat to survive. Use words and pictures to show what would happen if any part of the plant got sick.

**Build** a plant and show how its parts provide for all 5 of its needs.

\*After the cubing activities, the teacher leads a closure discussion around the question," What did we learn about why a plant is made the way it is?"

## UTS: Grade 2 Math Students will tell and write time to the quarter hour, using analog and digital clock. Think Dats Version 1: Time Think Dots: How many fives are in the number 60? If it is 5:15pm, how many minutes after 5 is it? How many minutes are in quarter after 2:00? •• •• ••• •• • ••• A soccer player has practice at 6:00pm. Draw what the clock face would look like if soccer practice were an hour and fifteen Create an interesting word problem using the times 4:00pm and 5:15pm. •• How many minutes are in quarter till 3:00? The Think Dots could be used the following ways:





## **Cubing and Variations**

## Application:

- 1. Use to lead students into deeper exploration of a concept.
- · 2. Use for review before assessment.
- · 3. Use as an assessment.



Using the materials supplied:  1. Develop a Cube/Think Dot page to use in your class  2. Differentiate the Cube/Think Dots by creating an additional one — differentiate by readiness, learning style, or interest  3. Share with a colleague for input	
Sharing!!  • All RAFTS/Cubes that you have created	
and would like to share will be posted at:  teachingss.pbwiki.com	
<u>todorini godipowiniodni</u>	