BIG6 and Super3*

Research Model adopted by
Pitt County Schools

*The "Big6™" is copyright © (1987) Michael B. Eisenberg and Robert E. Berkowitz. For more information, visit: www.big6.com
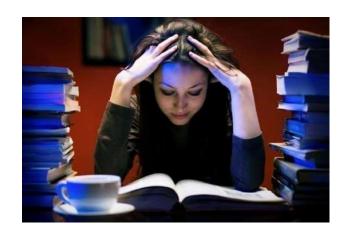
What do these quotes suggest about education in the 21st century?

1. "Getting information off the Internet is like taking a drink from a fire hydrant." – Mitch Kapur
   http://www.quotegarden.com/internet.html

2. "All knowledge begins with a question." -- Neil Postman http://faculty.darden.virginia.edu/brunerb/case-student.htm

3. "The Internet is the world's largest library. It's just that all the books are on the floor." -- John Allen Paulos http://www.quotegarden.com/internet.html

4. "All truths are easy to understand once they are discovered; the point is to discover them."   -- Galileo Galilei http://www.quotationspage.com/quote/937.html

5. Too often we give children answers to remember rather than problems to solve. -- Roger Lewin
   http://www.quotegarden.com/education.html

A Research Model provides a framework for

- Actively engaging students in authentic learning experiences
- Problem-solving and critical thinking
- Managing information overload
- Becoming discriminating users of information
- Becoming creators of ideas, not just consumers

What is the Big6?

- Research model adopted by PCS
- Created by Mike Eisenberg and Bob Berkowitz (www.big6.com)
- Six-step information problem-solving *process* that emphases critical thinking
- Students answer a question, and create a product, or complete an assignment

Why Big6?

- Easily adaptable to all grade levels and subjects areas
- Promotes information literacy
- Tried and true method
- Broad, real-world applications

What is Super 3?

- Big6 adapted for primary students
- Three easy steps
- Simplified vocabulary
- Same basic elements

Comparison of Big 6 and Super 3

Big 6	Super 3
Task Definition	Plan
Information Seeking Strategies	
Location and Access	Do
Use of Information	
Synthesis	
Evaluation	Review

How to Use Big6 or Super3

- Use student planning organizers and other handouts to guide students through the research process
- Students should keep the planner and refer to often throughout the process
- Display the posters in your room for easy reference and reminder
- Adapt, create, or use materials you already have to suit the needs of the project

First Two Steps

- Big6
  - #1 Task Definition
    - 1.1 Define the problem
      - What is my task?
      - What question(s) do I need to answer?
    - 1.2 Identify the type of information is needed
  - #2 Information Seeking Strategies
    - 2.1 Determine all possible sources
    - 2.2 Select the best sources for the task

- Super3
  - Plan / Beginning / Before I do anything
    - What am I supposed to do?
    - What will it look like if I do a really good job?
    - What do I need to find out? (questions)

Middle Steps

- Big6
  - #3 Location and Access
    - 3.1 Locate resources (intellectually and physically)
      - Where can I find the information?
    - 3.2 Locate information within the resources
      - Where can in find the information within the resource?
  - #4 Use of Information
    - 4.1 Engage (read, listen, view, touch, etc.)
    - 4.2 Extract relevant information
      - What do I expect to find?
      - What information can I use?
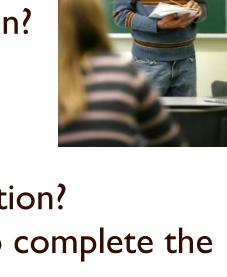
- Super3
  - Do (Middle)
    - How can I do the job?
    - What can I use to find what I need?
    - Now I need to make something to show what I learned.
    - View, read, tell a story, make a picture, etc.

Big6 #5 Synthesis

- 5.1 Organize from multiple sources
How will I organize my information?
How will I credit my sources?

- 5.2 Present the information
How should I present my information?
What materials/tools do I need to complete the presentation?

Note: The process may not always be linear. Students may need to cycle through the steps more than once.

Last Step

- Big6
  - #6 Evaluation
    - 6.1 Judge the product
      - Did I do what was required?
    - 6.2 Judge the process
      - Did I complete each stage of the Big6 process efficiently?

- Super3
  - Review / End
    - Did I do what I was supposed to do?
    - Do I feel okay about this?
    - Am I proud of my work?
    - Should I do something else before I turn it in?

Evaluation Checklist

What does Big6 look like?

Skill	Basic Activities	Advanced Activities
1 **Task Definition**	Concept Mapping Graphic Organizers	Ask Essential Questions
2 **Information Seeking Strategies**	Subject Directories Evaluating Web Sites	Web Site Evaluation
3 **Location and Access**	Keyword Searching Search Strategies	Advanced Search Strategies
4 **Use of Information**	Extract Information Analyze Sources Bibliographic Citations	Identify Point of View
5 **Synthesis**	Critical Thinking Appropriate Product	Classroom Applications
6 **Evaluation**	Assessment Rubrics	RubiStar

Essential Question: What does teaching and learning look like in the 21st Century?

Develop a lesson using the Big6 or Super3 using a student organizer to walk through the steps your students will need to do. Your lesson should:

•Present a real world problem for students to solve.
•Anticipate materials and activities your students will need and skills that may need to be taught.
•Develop a list of possible presentation options.
•Decide how the project will be evaluated by students and by the teacher.

Super3 Resources

- Classroom Posters*
- Transparencies / Slides*
- Super3 Organizer*
- Super3 Song*
- Big6 Kids website for primary grades
- Super3 Dino Presentation
- Super3 VoiceThread Presentation
- Super3 Webinar Slideshow
- Sample Lesson: Lifecycle of Butterflies
- Sample Lesson: What's Bugging You?

*Also in TheBig6.pdf.

General Resources

- [Classroom Posters](#)*
- [Big6 online overview](#)
- [Big6 Research Model Student Organizer](#)*
- [Big6 website for grades 3-6](#)
- [Big6 Writing Process Organizer](#)*
- [Evaluate Your Research Skills Sheet](#)*
- [Research Paper Organizer](#)
- Use [Powerpoint for Notetaking](#)
- [Data Chart Organizer for Notetaking](#)
- [KWHL chart](#)
- [Enchanted Learning graphic organizers](#)
- [Big6 Bookmarks](#) (Publisher file)

*Also in TheBig6.pdf.

Secondary Resources

- Writing Process Organizer*
- Sample High School Lesson
- Big6 Wallet Size Cards*
- Notetaking Ideas
- Website Evaluation
- Technology as a Tool: Applications in a Big6™ Context*
- Quoting, Paraphrasing, and Summarizing
- Trash N Treasure Method of Notetaking*

*Also in TheBig6.pdf.

Citing Sources

- Easy Bib

- Tech4Learning Citation Maker

- OSLIS Citation Machine for MS and HS

- OSLIS Citation Machine for Elemenatary

- BibMe

- Teach your students how to make citations using Word 07:
  - Teacher Tube video
  - Microsoft Help and How-to

Mike Eisenberg Powerpoints

- [Testing-Library Media Connection](#)
- [Information Literacy – The Whole Enchilada](#)
- [Other Mike Eisenberg Presentations](#)

Other Resources

- [Online Resources to Support Big6](#)
- [Powerpoint by Sue Speed](#)

Super3

Classroom Posters

1   2   3

These materials can also be printed from TheBig6.pdf.

Return to Super3 Resources

#1- Plan

What am I supposed to do?

What do I need to make to show what I learned?

What do I need to find out about to do the job?

#3 Review

Is my job done?

Did I do what I was supposed to do?

Do I feel OK about this?

Should I do something before I turn it in?

Super3

Transparency Masters / Teaching Slides

[1]() [2]() [3]()

These materials can also be printed from TheBig6.pdf.

[Return to Super3 Resources]()

The Super 3

1 - Plan

- What am I supposed to do?
- What will the result look like if I do a really good job?
- What do I need to make to show what I learned?
- What do I need to find out about in order to do the job?

Super 3

2 - Do

•How can I do the job?

•What can I use to find what I need?

•Now I need to make something to show what I learned.

Super 3

3 - Review

- Is my job done?

- Did I do what I was supposed to do?

- Do I feel OK about this?

- Should I do something before I turn it in?

Big6

Classroom Posters

These materials can also be printed from the TheBig6.pdf.

The Big SIX 6

A RESEARCH MODEL

The Big Six

#1 Task Definition

What's the task?

What types of information do I need?

The Big Six

#2 INFORMATION SEEKING STRATEGIES

What are the possible sources?

Which are the best?