



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>

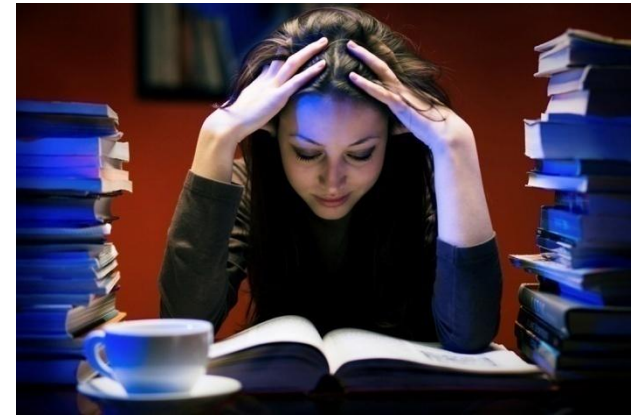


A Research Model provides a framework for

- 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 emphasizes 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	
Use of Information	Do
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 I 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

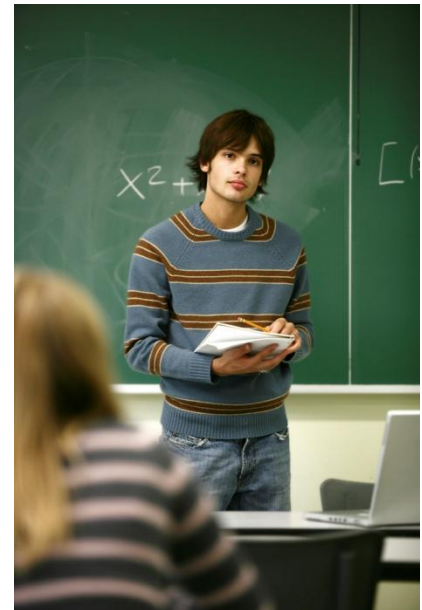
How will I organize my information?

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?

For more
[ideas](#)

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

Adapted from Applying [Big6™ Skills](#),
[AASL Standards](#) and [ISTE NETS](#) to Internet Research by [Janet Murray](#) <http://www.janetsinfo.com/big6info.htm>

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 Elementary](#)
- [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?



#2- Do
How can I do the job?
What can I use to find
what I need?
What can I use to find
what I need?



#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.



- 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

1 2 3 4 5 6 7

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

[Return to Resources](#)

The Big Six⁶

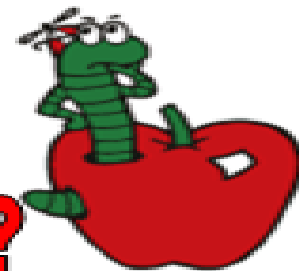
A RESEARCH MODEL

The Big Six

#1 *Task* *Definition*

What's the task?

**What types of
information do I need?**



The Big Six



INFORMATION SEEKING STRATEGIES

What are the  possible sources?

**Which are
the best?**



The Big Six



Location
#3 &
Access

Where is each source?



**Where is the
information in each source?**

The Big Six

#4 ^{Use of} information



How can I best
use each source?

What information in
each source is useful?

The Big Six

#5 **SYNTHESIS**

 **How can I
organize all the
information?**


**How can I
present result?** 



The Big Six

#6 EVALUATION



**Is the task
completed?**



How can I do things better?