INTERACTIVE NOTEBOOKS FOR INTERACTIVE CLASSROOMS

Courtney Jones and Alex Wong
Goals:

- Elementary school teachers will explore strategies and tips for incorporating interactive notebooks into their content area instruction. A “make and take” approach will be used. This session is most relevant for teachers of grades 3-5, ELL teachers, and Special Education teachers.
Notebooks on Parade

- Check out these Interactive Notebooks made by students in the fourth grade in math, science and social studies
- What are some similarities between all of the notebooks?
Classifying triangles by Angb 3/31/89

1. What makes a triangle?
   - three vertices
   - three sides that are closed

2. Sort the triangles by angle.

<table>
<thead>
<tr>
<th>Acute</th>
<th>Obtuse</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>F</td>
<td>H</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>B</td>
</tr>
</tbody>
</table>

It is a **Obtuse** triangle because it has 1 obtuse angle.

RAP: Look at the word MATH. What types of angles do you see?

W.O.W

Prove it! Trace the triangle. Use the words acute, obtuse, or right angle.
Science

5 Weather tools 10/14/08

Weather

Sunny, Cloudy, Windy, Rainy, Snowy, Tornado, Earthquake

Farrenheit

W.O. Rodger likes Peaches
Rain gauge - Precipitation
Ben likes Potatoes
Barometer - Pressure
Hugo eats Hot dogs
Hygrometer - Humidity
Ion likes Tomatoes
Thermometer - Temperature

11 Alice likes Wings - Anemometer

Thermometer
Anemometer
Barometer
Rain gauge
Hogrometer
1. What are some of the reasons people move to the United States?

2. What are some customs that your family follows?

**R.A.P.**

Draw and label different foods from each culture.

<table>
<thead>
<tr>
<th>African</th>
<th>Native American</th>
<th>European</th>
</tr>
</thead>
<tbody>
<tr>
<td>🥒</td>
<td>⚪️</td>
<td>⚪️</td>
</tr>
<tr>
<td>sweet potato</td>
<td>corn</td>
<td>chicken</td>
</tr>
<tr>
<td>🍚</td>
<td>🌽</td>
<td>🍗</td>
</tr>
<tr>
<td>peanuts</td>
<td>🍆</td>
<td>ham</td>
</tr>
<tr>
<td>🌽</td>
<td>🌽</td>
<td>🥧</td>
</tr>
<tr>
<td>🍗</td>
<td>🥧</td>
<td>bacon, pork</td>
</tr>
</tbody>
</table>

**Migration, Customs, and Culture 12/16**

- Migration: moving from one country or region to settle in another
- Customs: something a person or a group of people usually do
- Culture: customs, beliefs, laws, ways of living that are connected with a group of people

**Geographic Regions of Virginia**

- African English
- American Indian
- German Scotch-Irish

[Map of Virginia showing geographic regions]
Interactive Notebooks

- Table of Contents
- Page numbers
- Color
- Student notes
- Visuals
- Graphic organizers
- Pages glued in
- Rubrics
- Neat
- Title page
- Similar format
What are Interactive Notebooks?

- A way for students to personalize and make meaning of the information presented in class
- A powerful study tool
- A working portfolio
- Appeals to multiple intelligences
- Encourages pride in student work
Notebook Materials

- Spiral notebook (the more pages the better)
- Pencils - regular and colored
- Highlighters
- Glue sticks
- Scissors
- Colored paper or cardstock (optional)
- NO markers
Notebook Format

- Cover
- Guidelines for the IN
- Table of Contents
- Unit Title Page
- Entries- RAP, WOW, WIO (see next slide)
- Unit Rubric
- “Work in Progress” (WIP) envelope in the back
### Notebook Format

**Social Studies Interactive Notebook**

<table>
<thead>
<tr>
<th>Left Side (output)</th>
<th>Right Side (input)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RAP: Read and Preview</strong></td>
<td><strong>WOW: Words of Wisdom</strong></td>
</tr>
<tr>
<td>Review what you already know</td>
<td>Take class notes</td>
</tr>
<tr>
<td>Think about new information</td>
<td>Draw diagrams or maps</td>
</tr>
<tr>
<td>Get ready to learn</td>
<td>List vocabulary</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>WIO: Work It Out</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Show your understanding of the information we learned</td>
</tr>
<tr>
<td>Include creative ideas, drawings, or writing</td>
</tr>
<tr>
<td>Wrap up the lesson or summarize</td>
</tr>
</tbody>
</table>

Adapted by A. Wong from S. Orr and C. Agner, Fairfax County Public Schools

**INPUT:** This side is for the student to record notes and “testable” information.

**OUTPUT:** This side is for students to process new ideas.
Sample Lesson

Trouble at Jamestown 11/568

W.1.0

Write 3 facts you learned.

1. Pocahontas turned into Rebecca when she went to England.
2. Samuel was very very greedy.
3. Powhatan, Opechancanough, and Natogans captured John Smith.

John Rolfe

Chief Powhatan's wife brought peace to settlers.

Pocahontas

John Smith captured Chief's daughter.

Married Pocahontas
Compiled by participants in the Interactive Notebook course, December 2009
Ideas for the Interactive Notebook: WIO

- Mnemonics
- Poem
- Higher level questions (HOTS)
- Drawing symbols for vocabulary
- Write song/poem
- Ask own question..neighbor answers
- Word splash/add to word splash
- Letter writing/post card writing
- Illustrate new knowledge
- ABC book
- Compare/Contrast to previously learned information (Venn diagram?)
- Put yourself in someone else’s shoes and respond to the following
- Choose a side (debate)
- Rate importance of items in a list
- Independent practice problems (math)
- Cartoon/comic strip (retell)
- Label info learned in WOW
- Draw picture
- Label diagram
- Put in sequence
- Write a newspaper headline
- Give 2 false statements and change false statements to make them true
- Categorize a list

Compiled by participants in the Interactive Notebook course, December 2009
Ideas for the Interactive Notebook: WOW

- Vocabulary
- Pictures of people
- Maps
- Charts
- Diagrams
- Main ideas
- Compare/contrast
- VENN diagram
- Web
- Sequence
- Time line
- Label pictures/parts
- Flag of country/explorer
- Cloze activity
- Dialogue bubbles
- Cloze activity
- Time line
- Outline
- Filmstrips
- Cartoon
- Foldable
- Picture notes (nonlinguistic representation)
- Time Line
- Matrices
- Picture dictionary
- Flip book
- Read and respond
- GIST

Compiled by participants in the Interactive Notebook course, December 2009
Notebook Assessment

Tips:

 Check the notebooks every day at the beginning
 Check the notebooks at the end of each unit
 Use and explain a rubric that gives the students the criteria for a good grade (see sample rubric)
 Encourage self-assessment before turning in the INs
 Keep an exemplary master notebook in class for kids to compare
Virginia Studies Interactive Notebook: Jamestown Section

It is time to review the Jamestown section of the interactive notebook. Before you turn in your notebook, please look over your work carefully to see that it shows your best effort. It will be graded on accuracy, neatness, and overall effort.

<table>
<thead>
<tr>
<th>Entry Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamestown Vocab.</td>
<td></td>
</tr>
<tr>
<td>Charter for Jamestown</td>
<td></td>
</tr>
<tr>
<td>Positives and Negatives of the Jamestown Site</td>
<td></td>
</tr>
<tr>
<td>John Smith and Pocahontas</td>
<td></td>
</tr>
<tr>
<td>Cause and Effect in Jamestown</td>
<td></td>
</tr>
<tr>
<td>Tobacco and Slavery in VA</td>
<td></td>
</tr>
<tr>
<td>How Did Our Government Begin?</td>
<td></td>
</tr>
</tbody>
</table>

Possible points for each entry:
- 4 – Outstanding
- 3 – Good
- 2 – Satisfactory
- 1 – Needs improvement

Comment:

Total Points:

Final Grade:
Notebook Tips for Success:

- Requires modeling, modeling, modeling
- Don’t rush - it takes time to learn the IN at first (teachers and students)
- Remember to consistently reinforce the process and format
- Start in one subject area
- Keep a master notebook for the class - helps with absent kids
- Be willing to send it home
Notebook Tips for Success:

- Fill in the Table of Contents as you go
- Number all pages at the beginning
- Trim papers for the kids when you can (saves time)
- Teach them how to use the IN to study
- Reward hard work with open book quizzes
- Give “Ketchup Time” for tidying or finishing entries once a week
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