

Thinking IS the Foundation for Learning

Bifocal Assessment:

Combining Teaching and Learning

with Thinking Maps®

David Hyerle, Ed.D.

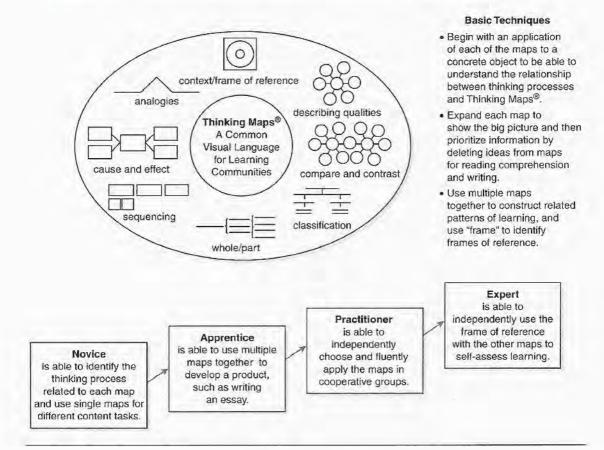
Kimberly Williams, Ph.D.

Association for Supervision and Curriculum Development

2010 Annual Conference & Exhibit Show March 6-8 2010 • San Antonio, Texas Critical Transformations

Figure 7.1 Thinking Maps Overview

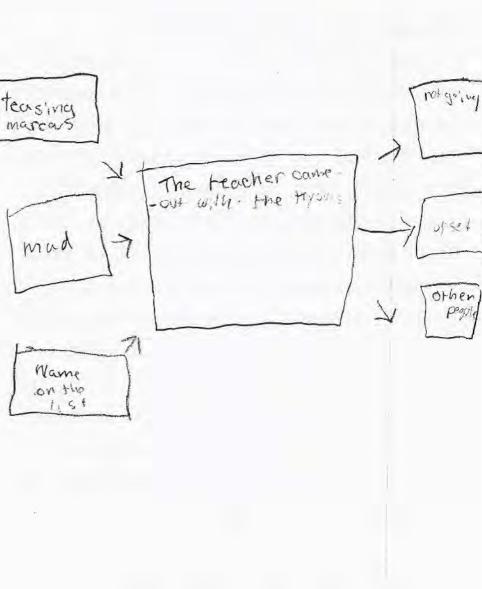
Background Thinking Maps® is a language, or toolkit, of eight thinking-process maps, developed by David Hyerle. Each map is graphically consistent and flexible so that students may easily expand the map to reflect the content pattern being learned. Thinking Maps® are introduced to students as tools for reading and writing, content-specific learning, and for interdisciplinary investigations. Over time, students learn to use multiple maps together and become fluent in choosing which maps fit the immediate context of learning. Thinking Maps® and Thinking Maps® Software are used in whole schools through faculty training and follow-up.



Name: Genordo Romirez Date: 10111107 it is strange that we are friends because we are Paragraph 2. Making Friends also different in many ways. We do look a bit funny together. I am very tall and Marcus is You really have to make an effort to make very short. I would rather talk than write down friends. I think I made friends with Marcus ideas. I also really love to play sports. Marcus mostly because we both like riding bikes. We enjoys writing much more than playing sports. I like to talk about where we would travel if our guess that is because Marcus can be a bit bikes were airplanes! We also are both pretty clumsy! But not with his hands! He is always shy people; we would rather be together than making some sort of invention. I can't seem to hanging out in a large group. Some people think make anything, but I can make a friend! What Thinking Map? Double Bubble Map What thinking skill? Compare - Contrast Sort fall both like riding bikes Marcus Prettysky. Write down triend Ideas ove 7 lums Sports

Marcus and I became BEST friends when I helped him with a BIG problem. He is not very good at sports, but his Dad is always watching sports on T.V. Not Marcus. One day our teacher told us that the soccer team tryouts were coming up. At recess, two boys started teasing Marcus saying, "Hey, Marcus, why don't you try out for the team. Ha! You couldn't make it as the water boy!" Marcus was mad! After school he told the soccer coach, "Put my name on the list for the tryouts." I saw Marcus the next day and he looked very upset! He told me he was thinking about what made him sign up and about what might happen at the tryouts. I asked, "Do you really want to be on the soccer team?" After a few days he returned to the coach saying, "Please take my name off of the list. I was going to tryout for the team for other people, like my Dad, and not for myself."

Paragraph 8. Changing Your Mind



What Thinking Map? Multi-Flow Map
What thinking skill is used? cause - effect

Name: Gerardo Ramivez Amaya Date: 101 12107

Paragraph 6. The Mind of Marcus

I think Marcus is very creative. He went on a field trip to the zoo last week and just loved the lions. All he could talk about was how lions remind him of how he roams around his own house. He told me that lions live in dens, just as people live in houses. And then he said, "Ants live in ant hills, monkeys live in trees, bees live in hives, and ideas live in my mind!" How do ideas live in minds?

dens Hills trees houses

What Thinking Map? Brige Map
What thinking skill is used? opposite

| THINKING BA | CKON: Mame: Ime Nelson Teacher: Mr. Barker Date: |
|-------------|--|
| | In the space below, use thinking maps to show what you have learned about the topic you have been studying: |
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Please answer these questions on another sheet of paper:

1. Look at your map(s). What are the most important things you know about this top.?

Democracy: help in harmony.

2. What don't you know? What new questions do you have about this topic?

Typing to the contact.

Where is the U.N. F. 13.

family Child

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Freedom believer

In the space below, use one or more of the thinking maps about what you know about the topic you will be studying:

0

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|--|
| ed provided details are sorted provided equals are shown in relation to general concepts are fully supported with relation to presenting information is information is nitiated are highlighted actively engaged statending to the with thinking about sylventrates a content and is basic grasp of integrate and information. |
| e alternative way of presenting information is information is initiated are highlighted are highlighted are resolved task and demonstrates a basic grasp of content and information. |
| are highlighted misconceptions are resolved are resolved attending to the actively engaged task and demonstrates a content and is basic grasp of beginning to content and information. |
| The student is actively engaged task and content and basic grasp of content and information. |
| basic grasp of beginning to content and integrate and information. |
| for meaningful applications. |

Content Area: Social Studies

Topic: Early NY State History, Native Americans indigenous

to NY

Standards: E2a, E5a,

Thinking Maps: Tree, Double Bubble, Flow

Product:

Compare and Contrast Essay

Teacher: H. Fox School: PS 60 Q

Grade:4

Purpose (Guiding Questions)

What makes or shapes a culture? How are early inhabitants of New York State alike and different?

Activity 1:

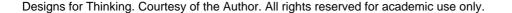
What smaller groups madeup the Iroquois and Algonquin groups?

Use a tree map to categorize the tribes in New York State.

Activity 2:

What were the cultures of the groups like? What did they celebrate, wear, do, etc?

Read some information about these groups and organize it into categories on Tree maps. Construct two tree maps: one for the Algonquins and one about the Iroquois.



Activity 3:

Now that you have some information about each group, use a Double Bubble to compare and contrast the cultures.

Product: Comparative Essay

(E2b:advances a judgment that is interpretive, analytic, evaluative, or reflective.)

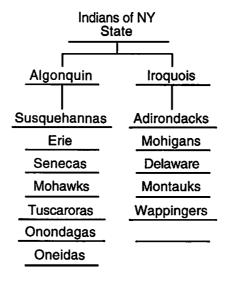
Look at your Double Bubble map to answer the following 3 questions. Write 3 reasons to prove your answers.

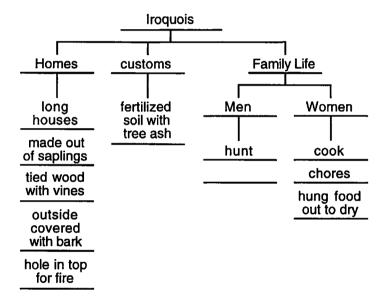
Are the Algonquins and Iroquois more similar or different? Why do you think they are more similar or different? What do you think are their most important differences?

Product: Expository (Writing to Inform)

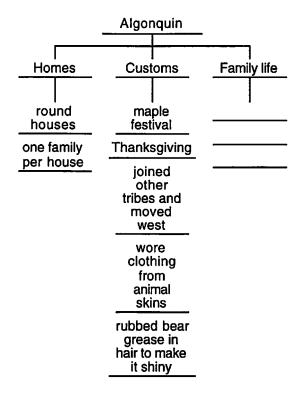
(E2a: report that analyzes subject and provides facts)

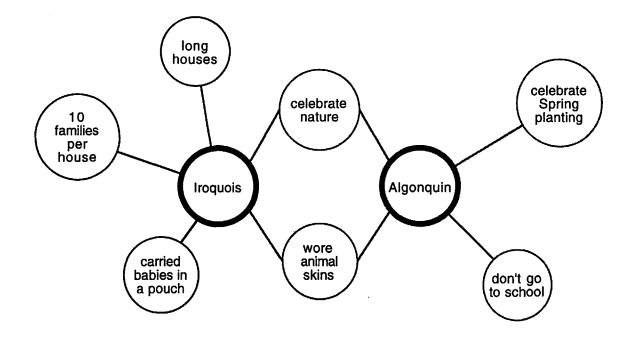
Write a 3 paragraph essay to inform others about the Algonquins and Iroquois. Use a Flow map to plan the paper.



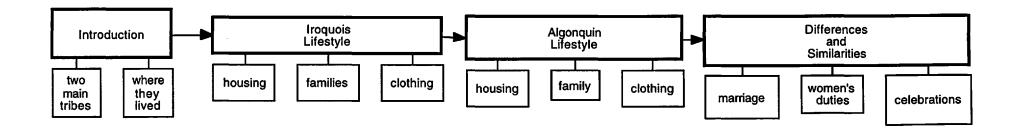


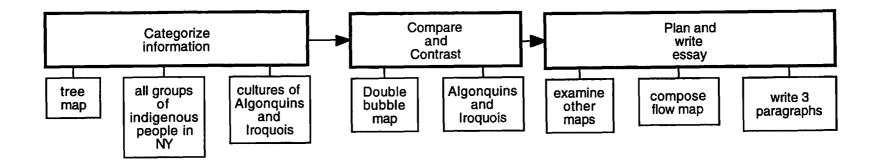
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There are two major Native American groups that lived in NY state. They are the Iroquois and Algonquins. One group, the Iroquois came from the Adirondack Mts. and lived with western NY tirbis including: Erie, Seneca, Onondagas. The other group, the Algonquins lived near the Mohawk river, Hudson River, with some tribes including: Adirondacks, Mohicans, Delawares, and Wappingers.

The Iroquois lived in long houses. They carried babies in a pouch. They honored the Great Spirit. They wore animal

skins as clothes.

Algonquins lived in round houses with one family per house. They celebrate spring planting. The women planted

with the girls and the men hunted with the boys.

The Iroquois and Algonquins were different inmany ways but they were also very much alike. The thing I learned is that somebody from a clan can only marry someone from that same clan. They both have women plant while the men hunt. They both celebrate the same festivals and where the same things.