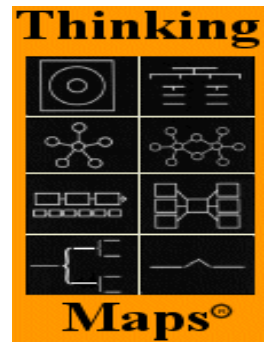


Transfer, Integrate, and Assess Learning!



MARCH THINKING MAPS FOCUS: **Brace Map**

Guiding Questions for Constructing a Brace Map

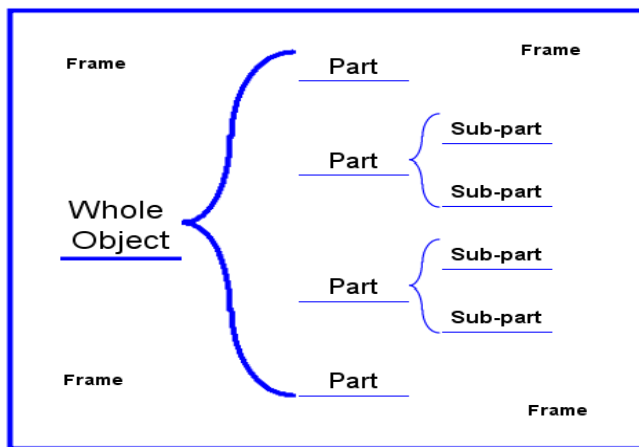
- What is the name of the whole object?
- What are the major physical parts of the object?
- What are the subparts of each major part?
- What is this object a part of?
- What parts, if any, are missing?

Step 1: Teach the map

Purpose: Identifying whole-to-part relationships; analyzing the component parts of physical objects.

Refer to teaching notes in Tools for Learning binder, pages 1-36 to 1-39.

Tip: *Explicitly teach map to students.*

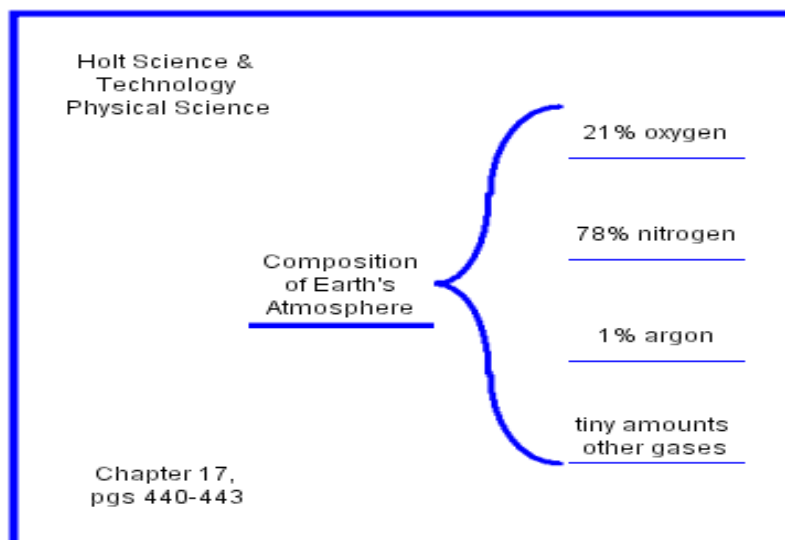


What is the name of the whole object?

What are the physical parts of the whole object?

What are the sub-parts of each part of the whole object?

Step 2: Apply the Map to the Sequenced Pattern of Instruction for March and CA Content Standards—Science: Structure & Composition of the Atmosphere (9/12 8a-c)



Key Information: The Brace Map must be used with concrete objects in order to identify the physical parts of the whole object. Brace Maps almost always use nouns within the map because the purpose is to name the parts of one concrete object. This map is great for vocabulary development because specific words are needed to label the parts. Think of the parts in a Brace Map as a jigsaw puzzle. If you can take a thing apart and put the parts back together to create one thing, you can use a Brace Map. **Shake things up** by constructing the Brace Map backwards: Parts-to-Whole.

March 2009 Thinking Maps Training Bulletin

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Key Words for the Brace Map:

Parts of
Show the Structure
Take Apart
Identify the Structure
Physical Components
Anatomy

Applications for the Brace Map:

Reading & English/Language Arts

- Parts of a Letter
- Word Analysis: one prefix, one root word, one suffix
- Parts of Speech: nouns, verbs, adjectives
- Parts of the Setting in one Story

Math

- Parts of a Number
- Students needs to know not only the place value of a number, but also the value of each number as it is broken down into its whole or fractional parts.

Social Studies

- Geographic Parts
- Just as the boundary lines on a map divide a place into parts, the Brace Map can be used to help students visualize geography as it's broken down from the whole to parts and subparts, i.e. Regions of the USA, Countries in Europe, etc.

Science

- Structural Analysis of Objects
- Because science introduces so many new vocabulary terms, the Brace Map can be used to help students visualize the numerous new vocabulary words they learn as they analyze scientific structures.