

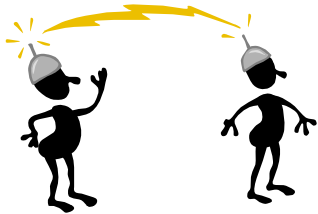
# Developing Your Unit Content Map



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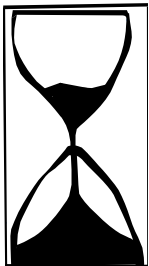
Revised from MRESA Best Practices Modules

# CONTENT MAPS: Why are they so important?



Communication device

Conceptualize a unit



Enable consistent curriculum **pacing and planning**

Highlight important **vocabulary**



Enable students to "**see**" the knowledge gained over time and their learning

# Content Mapping Key Points

- Content maps help students see mental schemas of information
- Content maps show how ideas fit together
- Use kid friendly terms and writing
- Include key vocabulary for the unit
- Post in your room or give students a copy
- For young children or ESOL you can simplify with main ideas and pictures.

**Subject:**

**Topic:**

**Grade Level:**

**Unit Topic:**

**Unit Essential Question:**

Concept

Concept

Concept

Concept

Concept

Lesson  
essential  
question(s)

Lesson  
essential  
question(s)

Lesson  
essential  
question(s)

Lesson  
essential  
question(s)

Lesson  
essential  
question(s)

**Key Vocabulary:**

# Content Map of Unit

Unit Topic / Name

Unit Essential Question

Examples / Steps  
(Optional)

Key Components / Issues / Concepts / Skills

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**Unit Topic: Shapes**

**Unit Essential Question: How do you know the shapes around you?**

**Concept:**  
Shapes are all around us.

Where can you find shapes?  
What are the names of the shapes you see?

**Concept:**  
There are different kinds of shapes

How can you know a circle?  
square,  
triangle,  
rectangle,  
oval and  
diamond

**Concept:**  
You can write and read shape words.

How can you read and write shape words?  
How can you make a story about shapes?

**Concept:**  
You can sort shapes.

How can you sort shapes by kind? by color? by size?

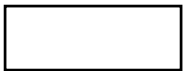
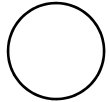
**Concept:**  
Shapes are alike and different

How are shapes alike and different?  
How can you use different shapes to create a shape city?

**Key vocabulary:** shape, circle, square, triangle, rectangle, oval, diamond, sort

What do I know about shapes?

Kinds



Words

Circle

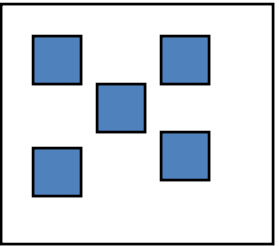
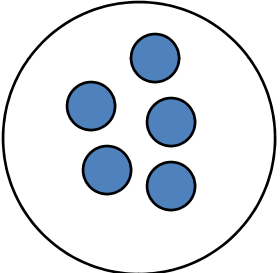
Square

Rectangle

Triangle

Oval

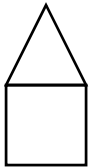
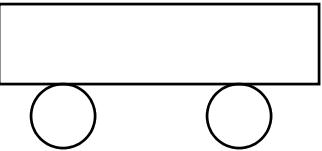
Sorting



Drawing



Using



# Content Map

How do I solve story problems quickly and accurately using multiplication?

Multiplication

Meaning & Models	Mental Math	Process	Application	Relationships
<b>Repeated Addition</b>	<b>Fact Mastery</b>	<b><u>Times</u></b>	<b>Creating &amp; Solving Story Problems</b>	<b>Addition</b>
<b><u>Arrays</u></b>	<b>10s, 100s</b>	<b><u>Multiply</u></b>	<b>Estimating</b>	<b>Division – fact families</b>
<b>Symbols</b>	<b>Compute Property</b>	<b>One digit</b>		<b>Patterns</b>

**Sample Content Map**  
**3<sup>rd</sup> Grade Math: Multiplication**

**Key Learning:** Multiplication is a more efficient way of adding.

**Essential Question:**  
How do we use multiplication?

**Instructional Tools:**  
Graph Paper  
Multiplication Charts  
Calculator  
Real Life Problems  
(finding area)  
Sequence Chart of Steps

**Meaning**

**LEQ(s):**

1. How can arrays help you understand multiplication?
2. How is multiplication repeated addition?
3. How can you use skip counting to find a product?

**Vocabulary:**

arrays  
repeated  
product  
digit  
value

**Process**

**LEQ(s):**

1. How do you multiply factors to get a product?
2. What patterns can help you remember the multiplication facts?
3. How can we find errors in multiplying?

**Vocabulary:**

factors  
product  
reversing  
lattice method  
patterns  
errors

**Real-Life Application**

**LEQ(s):**

1. Where is multiplication used in real-life?

**Vocabulary:**

large lots  
budgeting  
finding area  
shopping  
Industry

## Content Map: Third Grade - Earth Science - Rocks and Soil

**Key Learning(s):** Understand what the earth is made of and how rocks and soil play a major role in our lives.

**Unit Essential Question(s):** What is our earth made of?

**Concepts:**

Character-istics of Minerals	Igneous, Metamorphic, and Sedimentary	Rock Cycle	Hardness of Rocks	Characteristics of soil	Characteristics of fossils	Un-Covering fossils
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**Lesson Essential Questions:**

What are minerals and how do we classify them?	What are the 3 types of rocks and how do I identify them?	What is the cycle of a rock?	How do we find the hardness of a rock or mineral?	What are the three types of soil and how are they different?	What are fossils?	What is a paleontologist?
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**Vocabulary:**

Luster Hardness Texture	Igneous Metamorphic Sedimentary	Cycle	Mohs Scale Mineralogist	Sand Loam Clay	Extinct Fossil	paleontologist
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**Subject: Science Topic: Plants**

**Grade Level: 2**

**Unit Topic: Seeds and Plants**

**Unit Essential Question: What do we know about seeds and plants?**

What is a seed?

- Have shell
- Can travel
- Can vary in size and shape
- Need soil and water and light to grow

How does a seed become a plant?

- Plant life cycle
- Plant growing experiment

What are the parts of a plant?

- Identifying parts – root, stem, leaf, flower, fruit/seed
- The job of each part
- Comparing parts on different plants

What does a plant need to live?

- Soil, water, air, light
- Plant growth experiment
- Photo-synthesis

How do people benefit from plants?

- Ways we use plants
- Plant parts we eat
- Other uses: fibers, medicine, paper, fuel, crafts, furniture, etc.

**Key vocabulary:** seed, plant, soil, light, water, life cycle, stem, leaf, flower, petal, fruit, photosynthesis, hypothesis, experiment

Descriptive Statistics –  
describing distributions

Shape

Center

Spread

Skewed  
(left or right)

Clustered

Symmetrical

Mean

Median

Mode

Variance

Range

Standard  
deviation

Interquartile  
range

# Resources

- Georgia Performance Standards

<http://www.georgiastandards.org>

- Carroll County Schools Content Maps

<http://carrollcountyschools.com/home/curriculum.asp>