


**ALABAMA DEPARTMENT OF EDUCATION**

**Makes Sense Strategies Toolkit**  
applications for  
**4-5 Common Core Language Arts**

Part 1 Using Smart Sheets to teach reading  
Part 2 Using Smart Sheets to teach vocabulary  
Part 3 Using Smart Sheets to teach writing  
Part 4 Project-based Learning Smart Sheets



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University of Alabama

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**Key Ideas & Details** **Craft & Structure** **Knowledge Integration**

Ask & answer questions Summarize main ideas & details Make Relationship Connections **Determine Word Meanings** Provide Reasons & Supporting Points Make Comparisons

Organizer SMARTsheets  
 Hierarchic: Main Idea, 2 Main Ideas, 3 Main Ideas, 4 Main Ideas, 5 Main Ideas, 6 Main Ideas, 7 Main Ideas  
 Compare / Contrast: Main Idea, 2 Main Ideas, 3 Main Ideas, 4 Main Ideas, 5 Main Ideas, 6 Main Ideas, 7 Main Ideas  
 Cause / Effect: Cause, Effect, Cause & Effect  
 Sequence: Step, Cycle, Sequence of Events

**Essential Understandings SMARTsheets**  
 Literature: Story Grammar & Sequence, Character Analysis, Literary Analysis, Story Problem, Questions, Inferences, Predictions, Text/Pencil  
 Writing: **Word Walls**, Level 2, Level 3, Level 4, Level 5, Revision, Supplemental, Narrative, Descriptive, Expository, Persuasive  
 Vocabulary: Word Cards, Semantic Tables, Word Comparisons, Word Connections, Feature Analysis, LINC3 Inventions, Scavenger Hunts, Multiple Meanings  
 Math: Mathematical Concepts, Computational Processes, Rules / Theorems  
 Social / Motivation: Behavior Library, Character Building, Perspective Taking, Self-control, Goal Setting & Self-advocacy, Behavior Analysis  
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 SMARTplanners for Teachers: Instructional Design, Content Area Units & Lessons, Library/Strategy Units & Lessons, Anticipation Guides, Scaffolding Tactics, Reflective Reviews  
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**Essential Understandings SMARTsheets Vocabulary**

HOME

**WORD WALLS & CASTLES**

2-Word Walls, 4-Word Walls, 2-Word Castles, 4-Word Castles

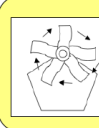
COLOR, Relation, Letter's Position, Backline, Ruler, Geometric Shapes, Circles, Earth's Layers, Backline, COLOR, Native Americans, Food Chain, Ducks, Backline, COLOR, Ecosystems, Backline

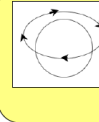
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**Rotation**  
 Definition: To turn on an axis  
 Picture:   
 Knowledge Connection: The blades of a fan rotate


**Revolution**  
 Definition: Movement in a circle around an object  
 Picture:   
 Knowledge Connection: Little children revolve around "th" when they play ring-around the roses


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**triangle**  
 Definition: 3 sides, 3 angles, "tri" means 3  
 Picture:   
 Knowledge Connection: Looks like a pyramid

**quadrilateral**  
 Definition: 4 sides, 4 angles, "quad" means 4  
 Picture:   
 Knowledge Connection: Looks like a box

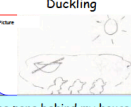
**pentagon**  
 Definition: 5 sided box, 5 angle, "pent" means 5  
 Picture:   
 Knowledge Connection: Looks like a house

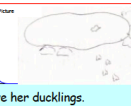
**hexagon**  
 Definition: 6 sided box, 6 angles, "hex" means 6  
 Picture:   
 Knowledge Connection: Looks like a stop sign

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**Bird** Duckling **Baby ducks**  
Definition: young animal raised by its parents  
Picture:   
Knowledge Connections: I saw ducklings at the park next to our house.

**Lake** Pool **A small pond or still body of water**  
Definition: water-filled area for swimming  
Picture:   
Knowledge Connections: Pools can be man-made or made by rain.  
Chibi left the pool to have her ducklings.

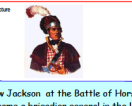
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**Cherokee** Creek Nation **Nation of Indians living in Alabama & Georgia**  
Definition: Native American tribe  
Picture:   
Knowledge Connections: Old girlfriend named Kim Weatherford (Creek)

**White settlers** Creek: little river of water  
Sentence: Most Creek Indians were forced to move to the Oklahoma Territory by Pres. Jackson. The route was called the Trail of Tears because so many died along the way.

**Tusunuggee Hurkee** William McIntosh **Georgia Creek Chief who led Jackson's army to defeat Alabama Upper Creeks**  
Picture:   
Knowledge Connections: Reminds me of Benedict Arnold (traitor)

**William Weatherford** McIntosh - kind of apple  
Sentence: Because he helped General Andrew Jackson at the Battle of Horseshoe Bend during the Creek Indian War of 1813 - 1814, McIntosh became a brigadier general in the United States Army

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History & Social Studies: History, Social Studies, Science, Math, Geography, Civics, Government, Economics, Health, Physical Education, Art, Music, Foreign Languages, Career, Technology, Environmental Science, Library/Reading, Units & Lessons, Anticipation Guides, Scaffolding Tactics, Reflective Reviews  
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**Essential Understandings SMARTsheets Vocabulary**

**SEMANTIC TABLES**

Related Words (primary): Fire Fighter  
Semantic Map (simple): Fire Fighter  
Semantic Map 1: Fire Fighter  
Semantic Web 1: Fire Fighter  
Semantic Web 2: Fire Fighter

Related Words (secondary): Native Americans, Inventions  
Semantic Table 1: Native Americans  
Semantic Table 2: Inventions  
Semantic Table 3: Native Americans, Inventions

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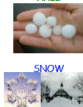


**precipitation**

Related word: HAIL - frozen balls of water - can be size of baseballs! Happens in summer

Related word: SLEET - Frozen rain - more dense (solid) - lets of it - ice storms

Related word: RAIN - Tiny drops combine - large drops get heavy & fall from sky

Related word: SNOW - water crystals - not dense (solid)

Draw a picture:  
SLEET:   
HAIL:   
RAIN:   
SNOW: 


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**Parts of a Cell**

- Cell wall - supports and protects a plant cell
- Nucleus - directs a cell's activities
- Chloroplasts - make food for the plant cells; Animals do not make their own food, so they do not need chloroplasts.
- Mitochondria - releases energy from nutrients
- Cytoplasm - a jellylike substance containing chemicals that help the cell stay healthy
- Chromosomes - inside nucleus; contains information about the cell
- Cell membrane - holds a cell together and separates it from its surroundings
- Vacuole - stores food, water, or wastes



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**Native Americans**

TOPIC: Plains Indians

Key things to remember about this topic: Nomadic (moved a lot), Lived in teepees, Hunter-gathers, Followed buffalo migration

Is important because: Last group of Native Americans that US gov. attacked

Draw a picture about this topic: [Image of Plains Indians]

Is like: People who live in RVs - always traveling - never stay in one place for long

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The way SW Indians worshiped their gods. One of the ways Plains Indians worshiped their gods.

TOPIC: Kiva TOPIC: Pow Wow

FEATURES: Round room built underground for religious ceremonies. Several day celebration of Great Spirit by Plains Indians

EXAMPLE: Used by SW Native Americans. NON-EXAMPLE: Not used by SE Native Americans

IS LIKE: Going into the basement to worship. Boy Scout Jamboree

KNOWLEDGE CONNECTIONS: Plains Indians had similar beliefs and customs to NE Indians; SW Indians had similar beliefs, but customs were different

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Hierarchy: 1 Main Idea, 2 Main Ideas, 3 Main Ideas, 4 Main Ideas, 5 Main Ideas, 6 Main Ideas

Compare / Contrast: Matrix & Venn Diagram

Cause / Effect: US States, CE Grid

Sequencing: Story, Cycle, Sequence of Events

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Literature: Story Grammar & Sequence, Character Analysis, Literary Analysis, Story Problems, Questions, Inferences, Predictions, Text Format

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MS2 Implementation/Innovation: Schoolwide Implementation Strategies, Articles, www.MakesSenseStrategies.com, Acknowledgments

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**Essential Understandings SMARTsheets Vocabulary**

**WORD CONNECTIONS**

Word Reminds Me Of... Word Connections Word Box Is About / Is Not About Connection Table

Word Relationships Best Guesses Personal Connections REAL World Connections RELATE to Real World

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**Charlie the Caterpillar by Dom De Luise**

delicious: very good, very tasty. Personal Experiences Related to Term: Eating delicious birthday cake

beautiful: very pretty, lovely, gorgeous. Personal Experiences Related to Term: Smelling beautiful spring flowers

miserable: very unhappy. Personal Experiences Related to Term: Feeling miserable when I'm sick

miniature: very small, tiny. Personal Experiences Related to Term: My miniature radio

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**Salt Hands by Jane Chelsea Aragon**

New Word Definition Personal Connection (this word makes you think of...)

Ruffle: I heard something outside like a ruffle or a breath. Getting scared when walking in the woods at night

Cast: The moon cast a shadow of his partners on the ground. He cast the bait into the lake.

Frighten: I didn't want to frighten the deer. I like to frighten little kids on Halloween.

Sprinkled: I went in and sprinkled some salt on my hands. Mom sprinkled candy on the ice cream.

Silently: I tiptoed outside and stepped toward him silently. Jane silently walked home.

Nibbled: Tenny is snug with me, while he nibbled on fallen pears. I nibbled at the cake until it was gone.

Cautiously: He moved closer to me cautiously. I cautiously went into the haunted house.

Grate: They were gentle, and I know he was not mad. kind, soft, mild, not harsh. Everyone loved the gentle dog.

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- Compare/Contrast: Venn, Matrix (single), Matrix & connections, Matrix & double connections
- Classify/Effect: Venn, Matrix, Matrix
- Sequence: Steps, Cycle, Sequence of Events

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**Essential Understandings SMARTsheets Vocabulary**

HOME

**WORD FEATURES ANALYSIS**

Word ASN: ALWAYS, SOMETIMES, NEVER

Word ASN Before & After: ALWAYS, SOMETIMES, NEVER

Features Analysis: ALWAYS, SOMETIMES, NEVER

Color coding: COL:R Sun #1, Sun #2; COL:R Starly Life Cycle; COL:R Birds, Literary Forms

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**The Sun**

The center of our solar system

ALWAYS	SOMETIMES	NEVER
Hot	It has an eclipse	It is never safe to look directly at the sun without aids, or expose your body to the sun for long periods
Medium-size Star	Gives out solar flares	Underestimate the power of the sun
93 million miles from earth	Destroys crops	
Necessary for life on earth	It causes cancer	
Gives off light as a result of nuclear fusion	Sometime it the future it will eventually die	

So what? What is important to understand about this?  
The sun is a main source of energy for all living things. However, it will not be here forever due to the fact that it is a medium-sized star.

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**Features**

Eagle, Crow, Sparrow, Owl, Hawk, Dove, Osprey, Bluebird, Martin

**Topics**

Predator	X	X	X	X	X	X	X	X	X	X	Most of these birds eat more animals than insects
Forms Pellets	X	X	X	X	X	X	X	X	X	X	3 of every 10 birds cast pellets
On every continent except Antarctica	X	X	X	X	X	X	X	X	X	X	Not very many birds live all around the world
Has same mate for life	X	X	X	X	X	X	X	X	X	X	Many birds like to keep the same mate for life
4 claws (talons) - breaks & crushes head of food	X	X	X	X	X	X	X	X	X	X	The larger birds tend to have four talons
Nocturnal	X	X	X	X	X	X	X	X	X	X	Only the owl is nocturnal (hunts at night)
Helps to balance Population of rodents	X	X	X	X	X	X	X	X	X	X	Mainly big birds eat rodents
Used to symbolize certain characteristics	X	X	X	X	X	X	X	X	X	X	People of ten use birds as symbols
Steals other birds' food	X	X	X	X	X	X	X	X	X	X	Our national bird (Bald Eagle) is a thief!!!