

**Second Grade**

***Math***

**Power Verbs**

**Number, Number Sense and Operations Standard**

|         |             |           |           |
|---------|-------------|-----------|-----------|
| Add     | Demonstrate | Identify  | Represent |
| Compare | Estimate    | Model     | Use       |
| Count   | Explain     | Recognize |           |

**Measurement Standard**

|          |           |        |      |
|----------|-----------|--------|------|
| Compare  | Establish | Select | Test |
| Describe | Identify  | Tell   |      |

**Geometry and Spatial Sense Standard**

|         |           |          |           |
|---------|-----------|----------|-----------|
| Compare | Describe  | Identify | Recognize |
| Create  | Determine | Predict  | Sort      |

**Patterns, Functions and Algebra Standard**

|        |        |     |          |
|--------|--------|-----|----------|
| Extend | Create | Use | Describe |
|--------|--------|-----|----------|

**Data Analysis and Probability Standard**

|           |           |      |           |
|-----------|-----------|------|-----------|
| Construct | Interpret | Pose | Recognize |
| Identify  | List      | Read |           |

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## Second Grade

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### ***Math***

#### **Key Terms and Concepts**

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##### **Number, Number Sense and Operations Standard**

|                                       |                            |                             |
|---------------------------------------|----------------------------|-----------------------------|
| 2-digit numerals                      | front-end estimation       | rectangle                   |
| 3-digit numerals                      | halves                     | rectangular arrays          |
| addends                               | hundreds                   | repeated addition           |
| associative properties<br>of addition | make change                | repeated subtraction        |
| coins                                 | missing addend<br>problems | single entity               |
| commutative properties<br>of addition | money                      | sixths                      |
| compare                               | multiples of 10            | skip counting               |
| comparison                            | multiplication             | subtraction                 |
| compatible numbers                    | numerals                   | take-away                   |
| compensatory numbers                  | objects                    | tens                        |
| contiguous parts                      | odd numbers                | the \$ sign                 |
| decimal form                          | ones                       | the ¢ sign                  |
| division as sharing<br>equally        | order                      | thirds                      |
| dollar bill                           | part to whole              | trading games               |
| eighths                               | parts of a whole           | value of money              |
| even numbers                          | parts of sets              | whole number addition       |
| fourths                               | physical models            | whole number<br>subtraction |
| fractional                            | place value                | whole numbers               |
| fractions                             | quantity                   |                             |
|                                       | reasonableness             |                             |

##### **Measurement Standard**

|                          |                    |                   |
|--------------------------|--------------------|-------------------|
| a.m.                     | cups               | hours             |
| accurate                 | digital timepieces | inches            |
| analog (dial) timepieces | feet               | length            |
| capacity                 | grams              | liters            |
| centimeters              | half-hours         | measurement tools |

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## Second Grade

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### ***Math***

#### **Key Terms and Concepts**

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##### **Measurement Standard** (continued)

|                           |               |                      |
|---------------------------|---------------|----------------------|
| measuring cup             | p.m.          | time                 |
| meters                    | pints         | time designations    |
| metric units              | pounds        | U.S. customary units |
| minutes                   | predictions   | units of measure     |
| nearest 5-minute interval | quarter-hours | volume               |
| nearest minute interval   | quarts        | weight               |
| nearest unit              | ruler         | yards                |
| ounces                    | scale         |                      |

##### **Geometry and Spatial Sense Standard**

|               |                    |                              |
|---------------|--------------------|------------------------------|
| combining     | logos              | similar                      |
| cones         | number of edges    | spheres                      |
| congruent     | number of faces    | superposition                |
| cubes         | number of vertices | symmetrical                  |
| cutting apart | polygons           | three-dimensional<br>objects |
| cylinders     | prisms             | two-dimensional shapes       |
| letter shapes | pyramids           |                              |
| line symmetry | shape of faces     |                              |

##### **Patterns, Functions and Algebra Standard**

|                   |                    |                      |
|-------------------|--------------------|----------------------|
| equation          | missing element    | qualitative changes  |
| equivalence       | new patterns       | quantitative changes |
| existing patterns | number patterns    | repeating patterns   |
| expression        | numerical patterns | symbols              |
| generalizations   | patterns           | unknown quantities   |
| growing patterns  | predictions        | values               |

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**Second Grade**

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**Math****Key Terms and Concepts**

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**Data Analysis and Probability Standard**

|                          |                                       |                   |
|--------------------------|---------------------------------------|-------------------|
| bar graphs               | line plots                            | questions         |
| categories of data       | more, less or equally likely to occur | sequence events   |
| charts                   | observations                          | surveys           |
| collect data             | picture graphs                        | timelines         |
| given outcomes           | population                            | untrue statements |
| given set of data        | possible outcomes                     | vary              |
| inappropriate statements | predict                               |                   |
| interviews               |                                       |                   |

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## Second Grade

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### *Reading/Writing*

#### **Power Verbs**

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##### **Phonemic Awareness, Word Recognition, and Fluency**

|         |             |      |
|---------|-------------|------|
| Blend   | Distinguish | Read |
| Segment | Identify    |      |

##### **Acquisition of Vocabulary**

|          |           |          |      |
|----------|-----------|----------|------|
| Classify | Determine | Identify | Read |
|----------|-----------|----------|------|

##### **Reading Process:**

##### **Concepts of Print, Comprehension Strategies and Self-Monitoring Strategies**

|        |           |         |           |
|--------|-----------|---------|-----------|
| Create | Establish | Predict | Summarize |
|--------|-----------|---------|-----------|

##### **Reading Applications: Informational, Technical and Persuasive Text**

|         |          |      |
|---------|----------|------|
| Analyze | Classify | List |
| Arrange | Identify | Use  |

##### **Reading Applications: Literary Text**

|          |             |        |
|----------|-------------|--------|
| Compare  | Distinguish | Retell |
| Describe | Identify    |        |

##### **Writing Processes**

|        |          |           |         |
|--------|----------|-----------|---------|
| Apply  | Develop  | Organize  | Reread  |
| Assess | Generate | Proofread | Rewrite |

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## **Second Grade**

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### ***Reading/Writing***

#### **Power Verbs**

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##### **Writing Applications**

Produce                      Write

##### **Writing Conventions**

Print                      Spell

##### **Research**

Acquire                      Identify                      Report  
Create                      Sort

##### **Communication: Oral and Visual**

Adjust                      Deliver                      Follow                      Select  
Compare                      Demonstrate                      Identify

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## Second Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Phonemic Awareness, Word Recognition, and Fluency

|                             |                        |                            |
|-----------------------------|------------------------|----------------------------|
| automatic decoding skills   | letter blends          | sound out unfamiliar words |
| beginning sounds            | long-vowel sounds      | stock                      |
| common word families        | middle sounds          | syllable sounds            |
| different spelling patterns | multi-syllable words   | syllables                  |
| ending sounds               | phonemes               | timing                     |
| expression                  | rhyiming words         | unknown words              |
| fluently                    | same spelling patterns | voice                      |
| fluid                       | segment                | words                      |
| letter                      | short-vowel sounds     |                            |
|                             | sight words            |                            |

##### Acquisition of Vocabulary

|                       |                            |                     |
|-----------------------|----------------------------|---------------------|
| antonyms              | -ful                       | root words          |
| beginner's dictionary | glossaries                 | suffixes            |
| categories            | high-frequency sight words | synonyms            |
| colors                | homographs                 | technology          |
| common abbreviations  | inflections                | un-                 |
| compound words        | -less                      | unknown words       |
| context               | meaning                    | vegetables          |
| context clues         | pre-                       | whole words         |
| contractions          | prefixes                   | word identification |
| -er                   | pronunciations             | word order          |
| -est                  | re-                        |                     |
| fruits                |                            |                     |

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## Second Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### **Reading Process:**

##### **Concepts of Print, Comprehension Strategies and Self-Monitoring Strategies**

|                        |                       |                      |
|------------------------|-----------------------|----------------------|
| background knowledge   | inferential questions | supporting details   |
| comprehension          | literal questions     | texts                |
| content                | main ideas            | to be entertained    |
| electronic media       | outcomes              | to be informed       |
| evaluative questions   | predictions           | to follow directions |
| events                 | prior experience      | Venn diagrams        |
| examples from the text | prior knowledge       | visual media         |
| graphic organizers     | purpose for reading   | webs                 |
| illustrations          | reinforce             | word errors          |

##### **Reading Applications: Informational, Technical and Persuasive Text**

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| captions           | illustrations      | supporting details |
| charts             | information        | table of contents  |
| diagrams           | informational text | text               |
| essential elements | main ideas         | what               |
| events             | maps               | when               |
| glossary           | proper sequencing  | where              |
| graphs             | sequential order   | who                |
| how                | set of directions  | why                |

##### **Reading Applications: Literary Text**

|             |         |                                    |
|-------------|---------|------------------------------------|
| characters  | plot    | theme                              |
| fables      | poems   | versions                           |
| fairy tales | setting | words that appeal<br>to the senses |
| plays       | story   |                                    |



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## Second Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Writing Processes

|                       |                           |                      |
|-----------------------|---------------------------|----------------------|
| audience              | end                       | spelling             |
| author's chair        | exclamatory               | technology           |
| beginner's dictionary | extraneous information    | transitional phrases |
| beginning             | feedback                  | transitional words   |
| books                 | grammar                   | Venn diagrams        |
| brainstorming         | interrogative             | webs                 |
| capitalization        | language for writing      | word bank            |
| checklist             | lists                     | word wall            |
| clarity               | main idea                 | writer's circle      |
| complete sentences    | middle                    | writing              |
| declarative           | oral language             | writing ideas        |
| descriptive words     | organizational strategies | writing samples      |
| details               | punctuation               | writing style        |
| discussions           | purpose                   |                      |
| effective vocabulary  | rubric                    |                      |

##### Writing Applications

|                   |                   |                      |
|-------------------|-------------------|----------------------|
| body              | journals          | relevant information |
| clear message     | letter format     | signature            |
| closing           | letters           | steps                |
| date              | logical sequence  | stories              |
| details           | messages          | text                 |
| events            | notes             | vivid language       |
| informal writings | poems             |                      |
| invitations       | proper salutation |                      |

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## Second Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Writing Conventions

|                      |                         |                        |
|----------------------|-------------------------|------------------------|
| abbreviations        | letters                 | quotation marks        |
| adjectives           | months                  | rules                  |
| affixes              | noun- pronoun agreement | sentences              |
| base word            | nouns                   | space                  |
| capitalization       | past tense              | spelling patterns      |
| consonant blends     | periods                 | spelling strategies    |
| contractions         | personal pronouns       | subject-verb agreement |
| days                 | plurals                 | text words             |
| digraphs             | present tense           | verb tenses            |
| endpoints            | proper nouns            | verbs                  |
| exclamation points   | punctuation             | word lists             |
| high-frequency words | question marks          | word wall              |
| legibly              |                         |                        |

##### Research

|                     |                              |                      |
|---------------------|------------------------------|----------------------|
| assigned topic      | gather information           | relevant information |
| books               | interviews                   | school library       |
| categories          | magazines                    | searching techniques |
| CD-ROMs             | observations                 | surveys              |
| classroom           | personal area of interest    | topic                |
| community resources | public library               | videotapes           |
| data                | questions for investigations | Web sites            |
| experiments         |                              |                      |

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## Second Grade

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### *Reading/Writing*

#### Key Terms and Concepts

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##### Communication: Oral and Visual

|                             |                                    |                               |
|-----------------------------|------------------------------------|-------------------------------|
| active listening strategies | formal descriptive presentations   | relevant facts                |
| beginning                   | ideas                              | relevant information          |
| charts                      | illustrations                      | rhymes                        |
| clarification               | informal descriptive presentations | simple dramatic presentations |
| clear diction               | informational presentations        | songs                         |
| clear focus                 | logical sequence                   | sources                       |
| descriptive details         | main idea                          | stories                       |
| details                     | making eye contact                 | three-step oral directions    |
| diagrams                    | oral presentations                 | tone                          |
| ending                      | poems                              | two-step oral directions      |
| events                      | prior experience                   | visual media                  |
| explanation                 | prior knowledge                    | volume                        |

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## **Second Grade**

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### **Science**

#### **Power Verbs**

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##### **Earth and Space Sciences**

Describe

Observe

Recognize

##### **Life Sciences**

Compare

Explain

Identify

Investigate

##### **Physical Sciences**

Explore

##### **Science and Technology**

Communicate

Investigate

Predict

##### **Scientific Inquiry**

Ask

Measure

Share

Use

##### **Scientific Ways of Knowing**

Describe

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## Second Grade

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### Science

#### Key Terms and Concepts

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##### Earth and Space Sciences

|                       |                    |                 |
|-----------------------|--------------------|-----------------|
| different             | repeating seasonal | sun             |
| measurable quantities | pattern            | temperature     |
| moon                  | same               | weather changes |
| precipitation         | stars              |                 |

##### Life Sciences

|                         |                       |                       |
|-------------------------|-----------------------|-----------------------|
| air                     | distinct environments | Ohio plants           |
| basic need              | food                  | Ohio's common animals |
| behaviors               | gills                 | organisms             |
| body coverings          | habitats              | people                |
| changes in appearance   | human-caused effects  | plants                |
| depend                  | leaves                | roots                 |
| differences             | light                 | shelter               |
| different environments  | living space          | similarities          |
| different seasons       | lungs                 | source of energy      |
| different structures of | natural forces        | survive               |
| plants and animals      | nutrients             | water                 |

##### Physical Sciences

|             |             |                   |
|-------------|-------------|-------------------|
| flashlights | rubber band | travels           |
| high        | shadows     | tuning fork       |
| light       | soft        | vibrating objects |
| loud        | sound       |                   |
| low         | strings     |                   |

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## Second Grade

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### Science

#### Key Terms and Concepts

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##### Science and Technology

benefits

individual wants

technology

individual needs

risks

##### Scientific Inquiry

balances

non-breakable

scientific investigation

calculators

observations

simple equipment

count

order

thermometers

describe

phenomena

timers

events

rulers

whole numbers

identify

safety procedures

measure

scientific data

##### Scientific Ways of Knowing

conditions

environment

scientists

**Second Grade**

***Social Studies***

**Power Verbs**

**History**

|          |          |         |           |
|----------|----------|---------|-----------|
| Compare  | Identify | Measure | Recognize |
| Describe | List     | Place   | Use       |
| Explain  |          |         |           |

**People in Societies**

|          |         |
|----------|---------|
| Describe | Explain |
|----------|---------|

**Geography**

|           |          |           |      |
|-----------|----------|-----------|------|
| Compare   | Describe | Interpret | Name |
| Construct | Identify | Locate    | Read |

**Economics**

|         |           |
|---------|-----------|
| Explain | Recognize |
|---------|-----------|

**Government**

Demonstrate

**Citizenship Rights and Responsibilities**

|             |         |
|-------------|---------|
| Demonstrate | Explain |
|-------------|---------|

**Social Studies Skills and Methods**

|             |          |         |
|-------------|----------|---------|
| Communicate | Identify | Predict |
| Distinguish | Obtain   |         |

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## Second Grade

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### ***Social Studies***

#### **Key Terms and Concepts**

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##### **History**

|                             |                        |                  |
|-----------------------------|------------------------|------------------|
| Abraham Lincoln             | Harriet Tubman         | series           |
| biographies                 | historical artifacts   | social leaders   |
| calendar time               | individual action      | Sojourner Truth  |
| character                   | inventors              | Susan B. Anthony |
| Charles Drew                | make a living          | technology       |
| chronological order         | maps                   | Tecumseh         |
| communication               | Martin Luther King Jr. | Thomas Edison    |
| daily life in the past      | months                 | Thomas Jefferson |
| days                        | Neil Armstrong         | time line        |
| days of the week            | past                   | transportation   |
| diaries                     | photographs            | United States    |
| emphasis                    | political leaders      | weeks            |
| explorers                   | present                | work             |
| folklore                    | Rachel Carson          | years            |
| George Washington           | related events         |                  |
| George Washington<br>Carver | science                |                  |
|                             | scientists             |                  |

##### **People in Societies**

|                             |                        |                         |
|-----------------------------|------------------------|-------------------------|
| architects                  | cultural practices     | political leaders       |
| artisans                    | culture                | products                |
| artistic creations          | explorers              | scientists              |
| common national<br>heritage | expressions of culture | significant individuals |
| continents                  | folktales              | stories                 |
| contributions               | inventors              | United States           |
| cultural heritage           | language               |                         |
|                             | music                  |                         |



## Second Grade

### *Social Studies*

#### Key Terms and Concepts

##### **Geography**

|                 |                      |                       |
|-----------------|----------------------|-----------------------|
| 3-D models      | landforms            | ponds                 |
| bodies of water | map title            | responded             |
| continents      | maps                 | rural environments    |
| creeks          | modified             | suburban environments |
| hills           | mountains            | symbols               |
| islands         | oceans               | urban development     |
| key             | photographs          | urban environment     |
| lakes           | physical environment | valleys               |
| land use        | plateaus             |                       |

##### **Economics**

|                             |                    |                  |
|-----------------------------|--------------------|------------------|
| bushel                      | goods              | special goods    |
| buyers                      | medium of exchange | special services |
| converted                   | resources          |                  |
| different forms of<br>money | sellers            |                  |
|                             | services           |                  |

##### **Government**

|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| community             | landmarks            | providing services   |
| consequences          | leaders              | purpose of rules     |
| different settings    | Lincoln Memorial     | represent            |
| elected by the people | making laws          | resolving disputes   |
| enforcing laws        | mayor                | school               |
| governor              | president            | system of government |
| ideals                | provides order       | Washington Monument  |
| Jefferson Memorial    | providing leadership | workplace            |

## Second Grade

### *Social Studies*

#### Key Terms and Concepts

##### **Citizenship Rights and Responsibilities**

|                    |                                     |                |
|--------------------|-------------------------------------|----------------|
| cafeteria          | manage conflict                     | respect others |
| citizenship traits | peacefully                          | self-assurance |
| classroom          | patriotism                          | self-direction |
| cooperation        | persistence                         | skills         |
| display courtesy   | playground                          |                |
| honesty            | respect for the<br>rights of others |                |

##### **Social Studies Skills and Methods**

|                        |                        |                                       |
|------------------------|------------------------|---------------------------------------|
| decision-making skills | oral materials         | sequence                              |
| electronic sources     | oral sources           | sources used to gather<br>information |
| event                  | people                 | visual materials                      |
| fact                   | print materials        | visual sources                        |
| fiction                | print sources          |                                       |
| gather information     | printed materials      |                                       |
| information            | problem-solving skills |                                       |