



RESOURCE GUIDE  
for  
Alternate Kentucky Performance Rating for  
Educational Progress (K-PREP)  
Attainment Tasks  
2019-2020



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## Introduction

In response to feedback from Kentucky stakeholders, the Kentucky Department of Education has created the Alternate K-PREP Resource Guide. The purpose of this Resource Guide is to provide Kentucky teachers and administrators with a document that contains information related to content instruction and administration of the Alternate K-PREP Attainment Tasks. Based on feedback from teachers in the field, great effort has been made to further reduce the language, memory load, and complexity in the Attainment Tasks and still remain aligned to the content standards.

In this document, teachers will find information on how to make modifications and adaptations to the Attainment Tasks while remaining compliant with testing protocol. Additionally, this document provides pictures of general terms (that **may** be used in test administration) for each content area. Teachers may begin using these pictures (**and teaching what the pictures mean**) during instruction so that students are familiar with the pictures prior to testing. Finally, for some content areas at specific grade levels, this document provides additional instructional information, based on assessment protocols.

## General Information

This section of the Resource Guide has two specific purposes. First, this section will discuss some basic testing procedures. When administering the assessment, the test administrator should:

- Carefully read the italicized directions that precede each question. Instructions can change from question to question.
- Emphasize words in the questions that are bolded and underlined (e.g., **not**, **most**, **likely**, **best**, etc.) when reading questions to the students.
- Determine for each student if words provided in parenthesis ( ) should be used in place of, or in addition to, the preceding word.
- Determine if the student would benefit from using the picture response options, having the test only read aloud, or if picture response options need to be adapted.
- Orient the student to the materials. Below are several examples of acceptable student orientation:
  - Prior to reading the question, draw the student’s attention to the response options.
    - (e.g., point to and read aloud each response option) ○ Read picture captions to the student while presenting each response option. ○ Direct the student to look at supplemental materials that are needed to answer the question (e.g., graphs, maps, story boards, sentence templates, etc.). ○
    - When the task calls for completing a sentence template, tell the student in advance (e.g., “I will read an incomplete sentence and then you will pick the best word/phrase to complete the sentence.”). ○ If the question includes a cloze (fill in the blank) sentence, the test administrator may read the sentence with each response option.

- If a student needs pictorial support, present the pictures from the story board (that accompanies the passage) to the student as the passage is being read aloud to the student.
  - Each passage includes superscript numbers before sentences or groups of sentences. This superscript number corresponds to a picture on the story board. If using pictures, test administrators should present the corresponding picture as the passage is read.
    - Test administrators may cut apart pictures and sequence them by paragraph.
    - Test administrators may point to the pictures as he or she reads aloud to the student.
    - Test administrators may cover and uncover pictures as appropriate.
- Reread any portion of the script, passage, question or response again when it is determined that the student is not focused or engaged in the assessment, as long as it does not direct the student to the correct response.
- Modify and adapt materials as needed to ensure materials are presented to the student in the student’s mode of receptive and expressive communication.

This section will also prepare teachers to make accommodations and adaptations to the Attainment Task itself. The Attainment Tasks are a scripted test, and therefore all materials can be read to the student. However, the student has the option of reading the test for him or herself. Teachers always have the option to present the question to the student and read each answer choice to the student (while pointing to the picture) prior to requesting a student response. As indicated above, it is recommended that the teacher orient the student to all materials prior to asking each question. In order for a student to receive modifications to the test, the accommodations must be necessary for student participation and indicated on the student’s IEP. The accommodations cannot guide or lead the student to the correct answer. Therefore, any modification (e.g., coloring the picture) that is made for one response option for a particular question must be made to all response options in that question. Additionally, even when response options are presented in a different format, they must be presented in the same order as they are presented in the task. Examples of some common accommodations (this is not an exhaustive list; please follow testing protocol to ensure use of appropriate accommodations):

- Enlarge the tasks – Both questions (if necessary) and pictures may be copied and enlarged to facilitate access for students with low vision.
- Put the questions, sentence templates, pictures, and other needed materials into the student’s receptive mode of communication (e.g., use tactile objects, Writing with Symbols, or other mode of communication to present questions, etc.)
- Color the pictures – To provide high contrast, pictures may be colored.
- Highlight sections of text that need to be reread (e.g., when the task indicates to reread Line 7 of a poem if needed, the teacher may highlight Line 7 of the poem to help focus the student’s attention to Line 7).
- Raise lines on graphs, maps and pictures using embosser, glue, or puff paint.
- Explain pictures to the student.
- Use pictures that students have used in instruction if they are different than those provided in the task, ensuring that all response options are changed.

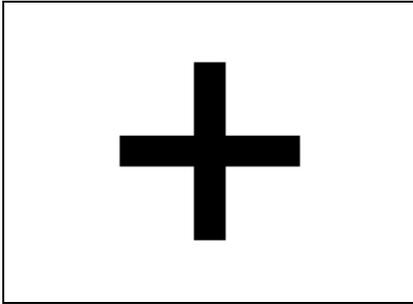
- Provide manipulatives to solve math questions.

Teachers may order specialized materials for students with Visual Impairments. These materials are provided only when required supplemental materials can be enhanced using tactile graphics. Tactile graphics are embossed on special thermal paper. Tactile graphics of maps, charts, ecosystems and other relevant items are provided. Students should be receiving instruction on how to read tactile graphics throughout the year.

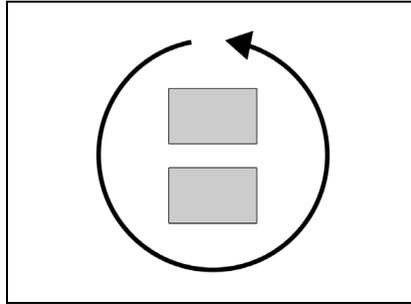
### **Glossary of General Terms**

A picture glossary of general terms that will be used in the Attainment Tasks follows on pages 6-11.

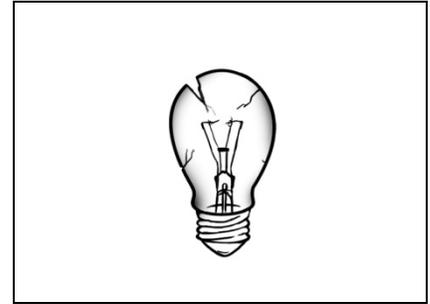
## General Terms



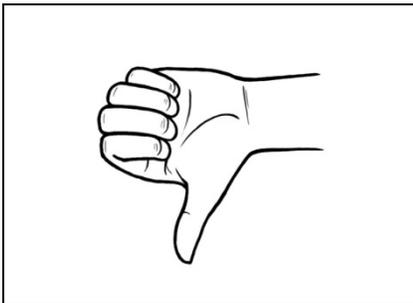
Add, Improve, More\*, Increase\*



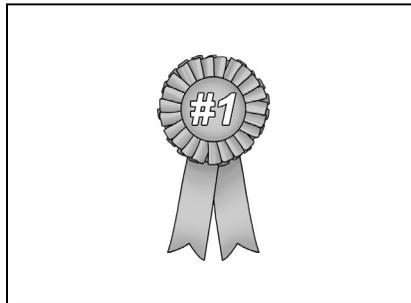
All of the above\*  
(shading may vary)



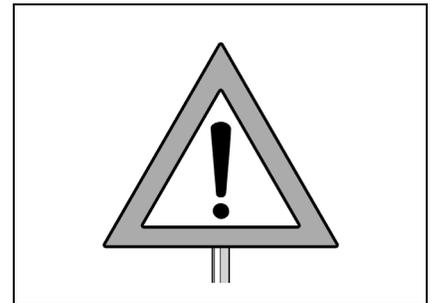
Bad Idea



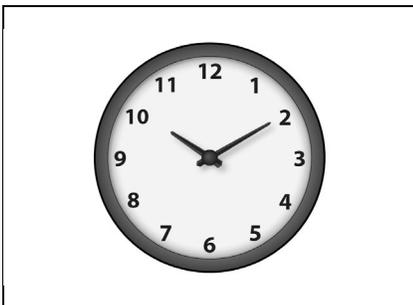
Bad, Harmful, Dislike, Hate,  
Negative\*, Unfair, Cruel, Not



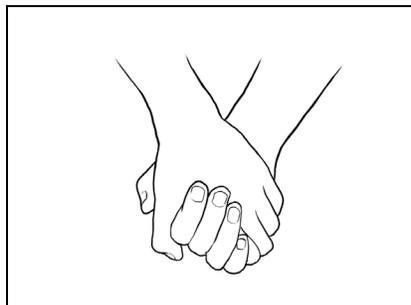
Best



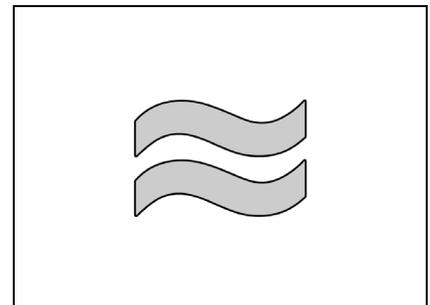
Caution, Concern, Attention,  
Dangerous, Trouble



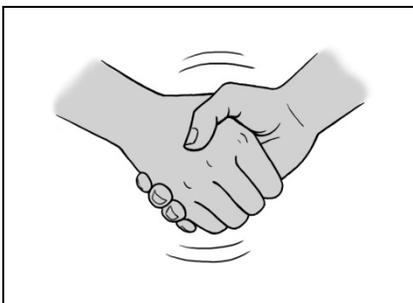
Clock, Time\*, Hours, Minutes



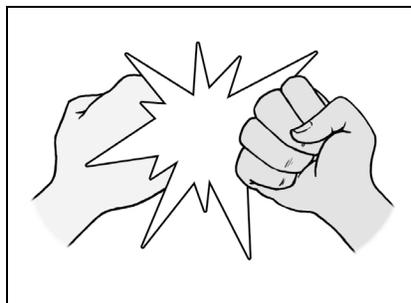
Collaboration, Friendship\*



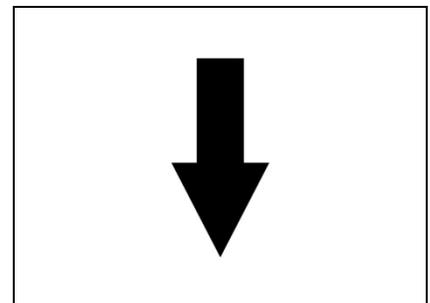
Comparison



Compromise, Agree\*, Thank\*



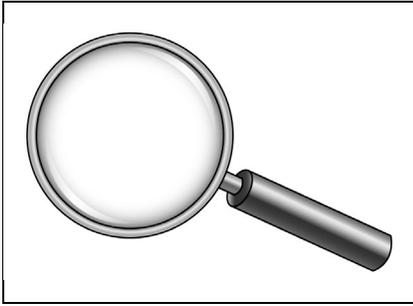
Conflict, Fighting



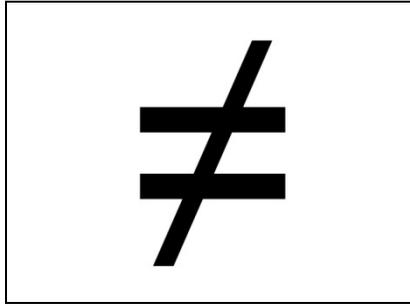
Decrease, Short, Down, Less\*,  
Low, Not enough\*

\*Indicates the term has more than one possible picture representation.

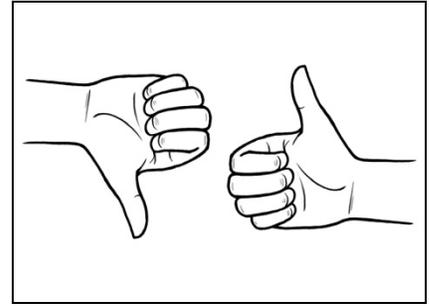
## General Terms



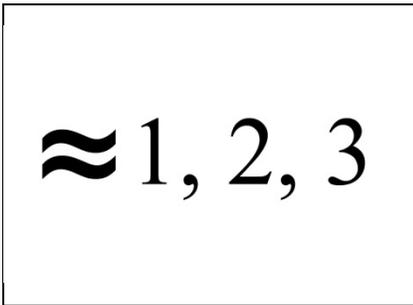
Detail\*, Find\*, Investigation\*



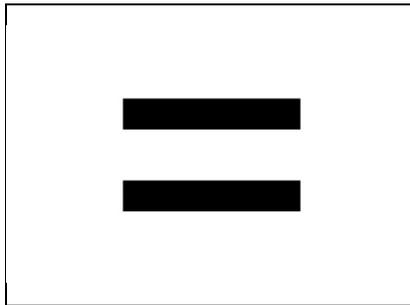
Different, Not equal, Does not stay the same



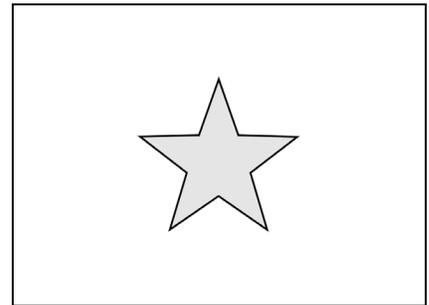
Disagreement\*, Differences



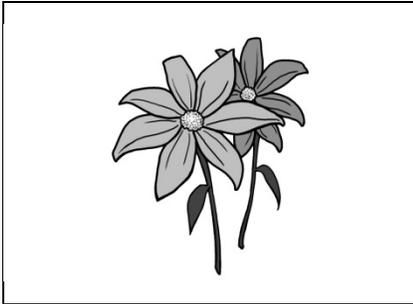
Easy



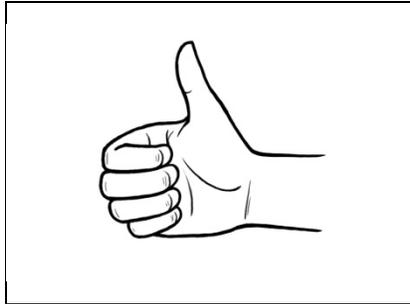
Equal, Neutral, Balance\*, Same\*, Alike,  
No change\*, Identical, No effect\*  
No impact\*, No difference\*, Stable\*



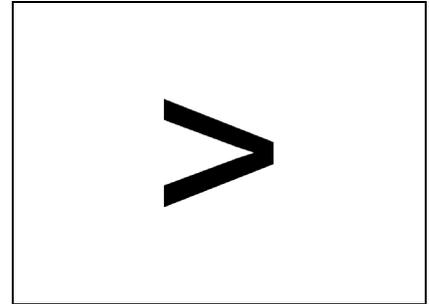
Favorite



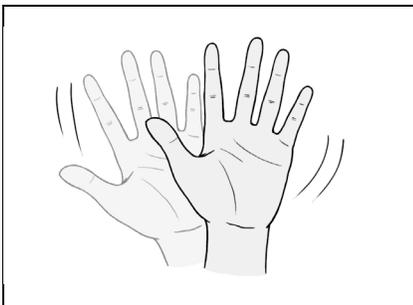
Flowers, Beauty, Pretty,



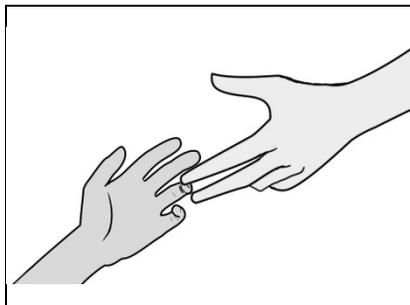
Good, Beneficial, Great, Well,  
Positive\*, Like, Cool



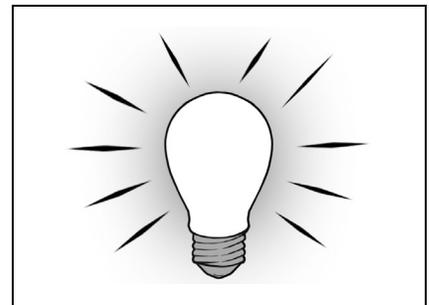
Greater than



Hello



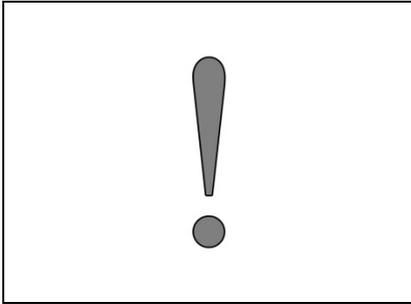
Help, Assistance



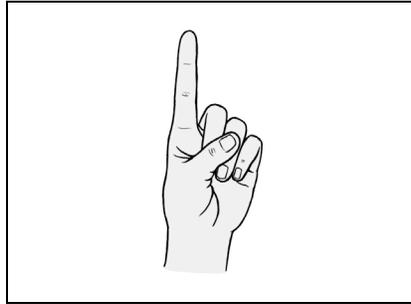
Idea, Main idea

\*Indicates the term has more than one possible picture representation.

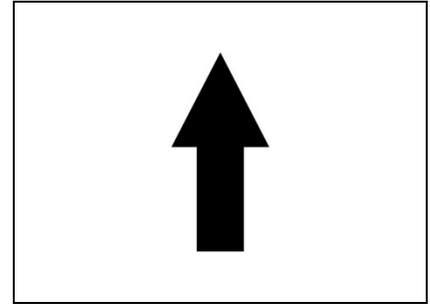
## General Terms



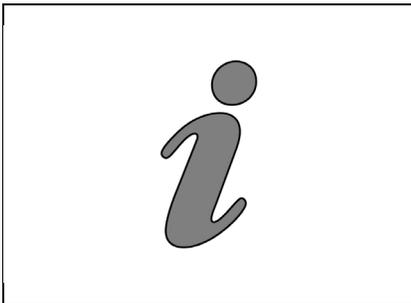
Important, Emphasis,



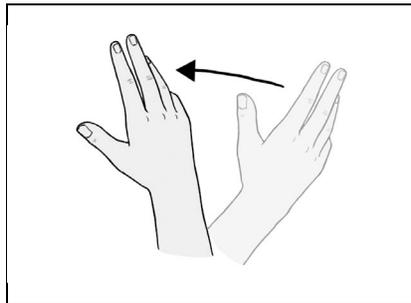
In Conclusion, Opinion, Point,  
One\*



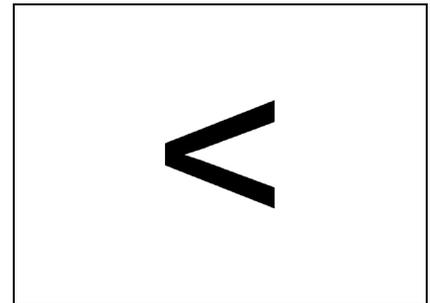
Increase\*, Long, Up, Tall,  
Growth\*



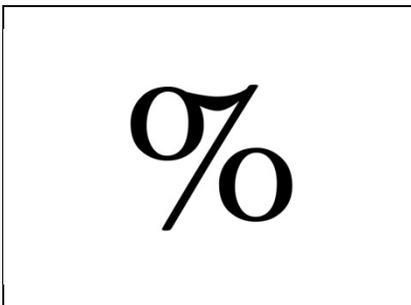
Information, Inform



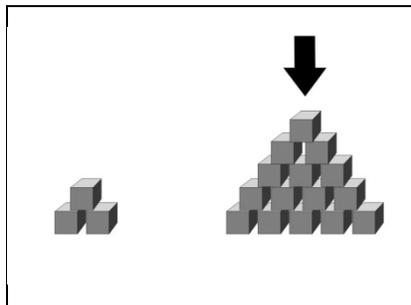
Invite



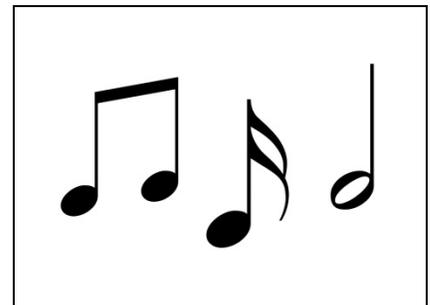
Less than



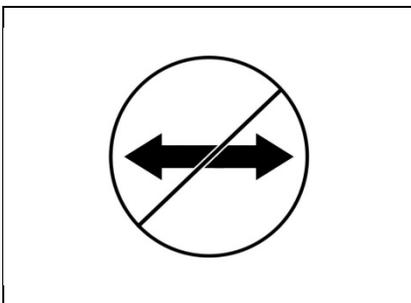
Maybe, Chance, Probability



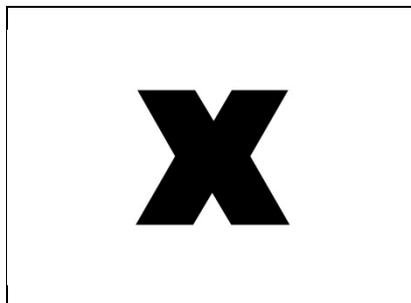
Most



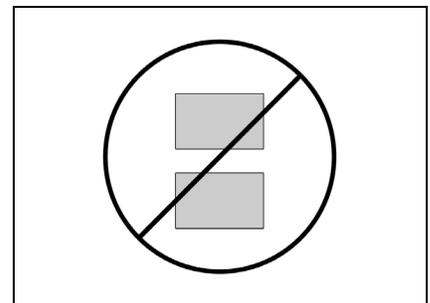
Music



No relationship



No\*, Stop\*



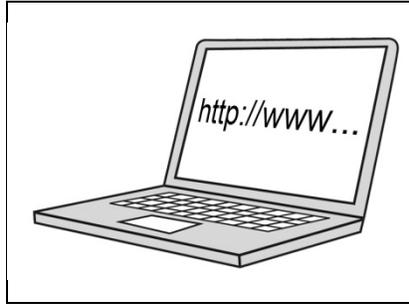
None of the above  
(shading may vary)

\*Indicates the term has more than one possible picture representation.

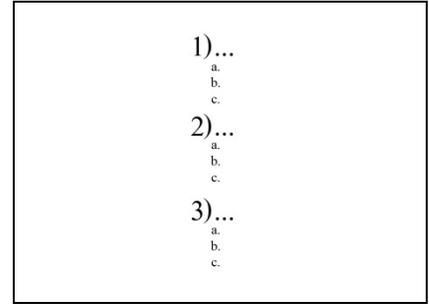
## General Terms



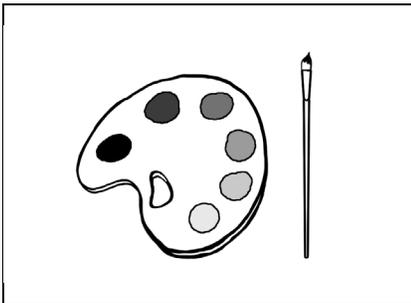
Not enough information



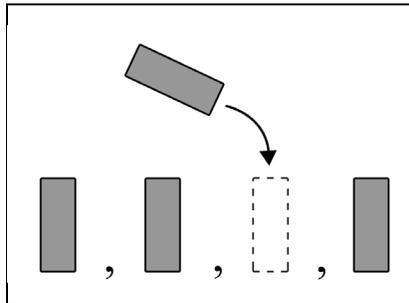
Online\*, Online source\*



Organize, Outline, Discussion points (may have text)



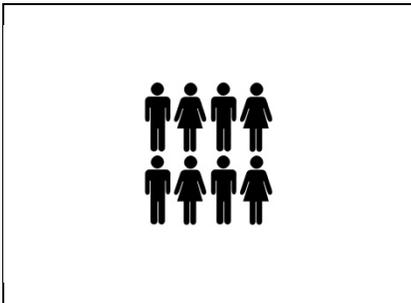
Paint, Creativity, Art



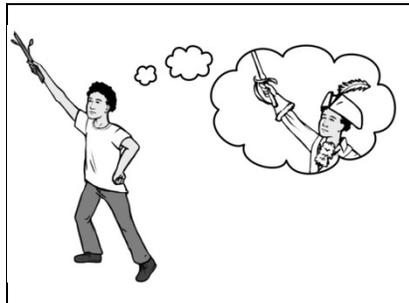
Place (verb)



Popular



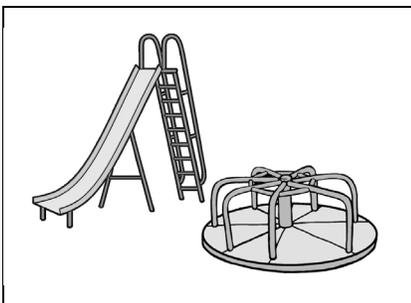
Population\*



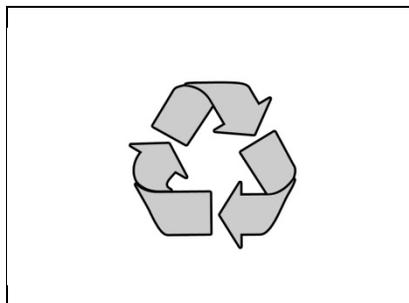
Pretend, Imagine



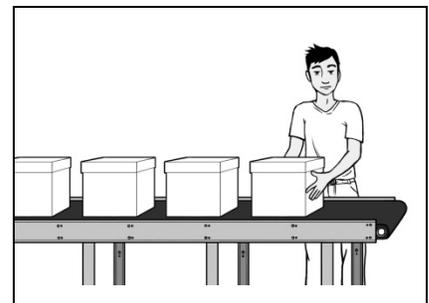
Purpose\*, Question, Ask, What



Recess, Playground



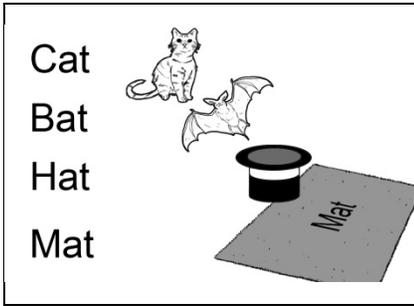
Recycle



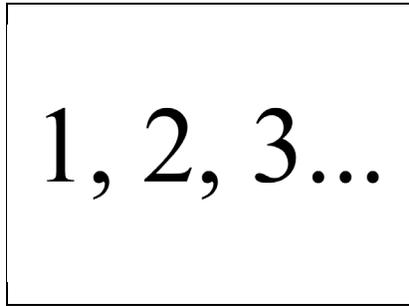
Repetition

\*Indicates the term has more than one possible picture representation.

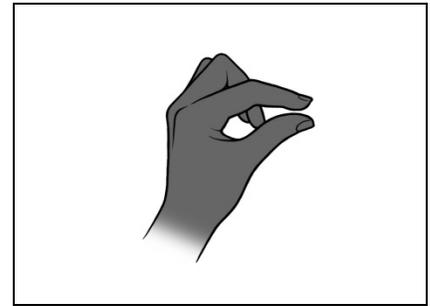
**General Terms**



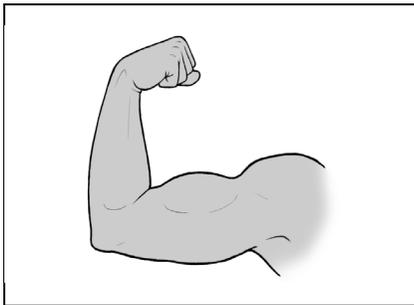
Rhyme



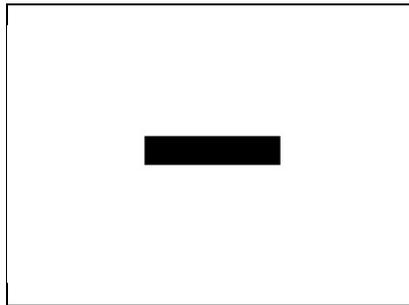
Sequence



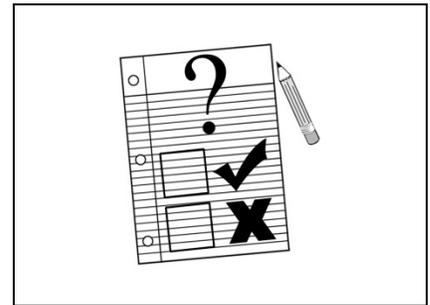
Somewhat, A little



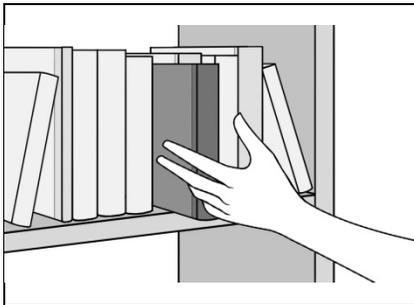
Strong



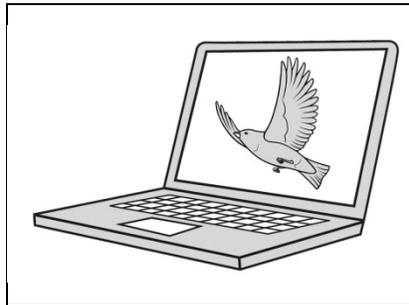
Subtract, Less\*, Decrease\*



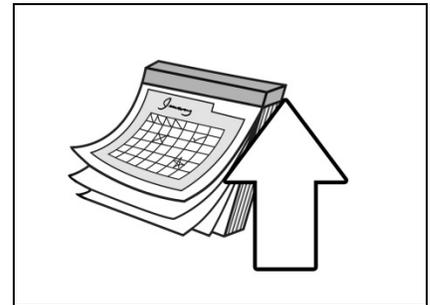
Survey



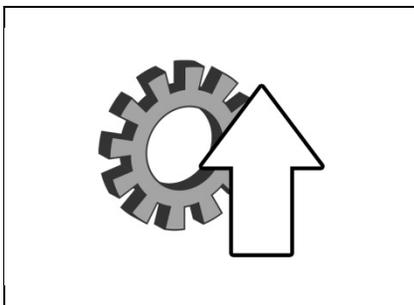
Topic\*



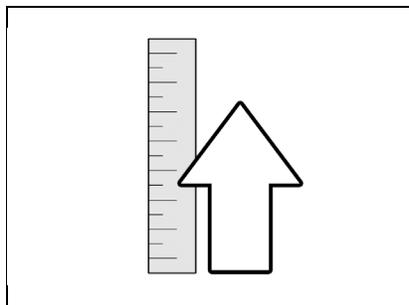
Twitter, Tweet (may be on or off computer screen)



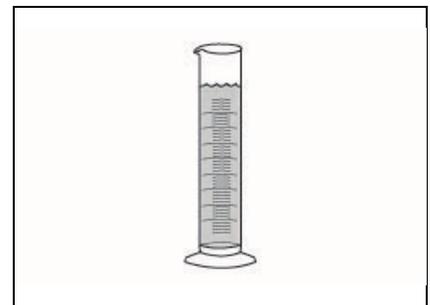
Update



Upgrade (technology advance)



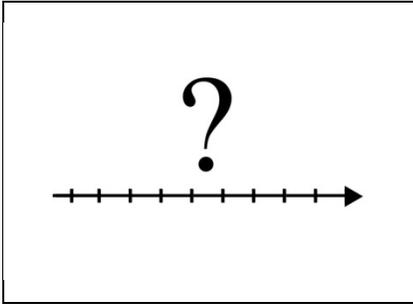
Upscale



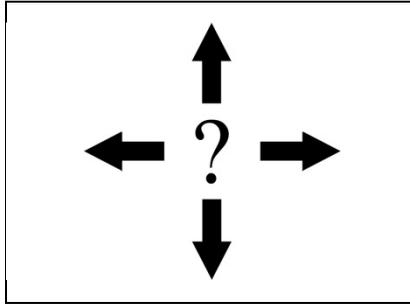
Volume

\*Indicates the term has more than one possible picture representation

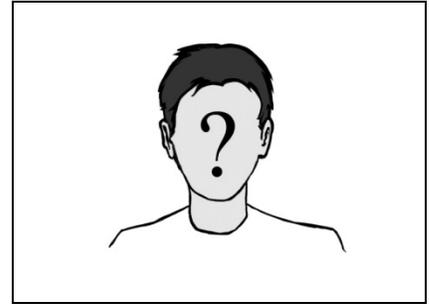
## General Terms



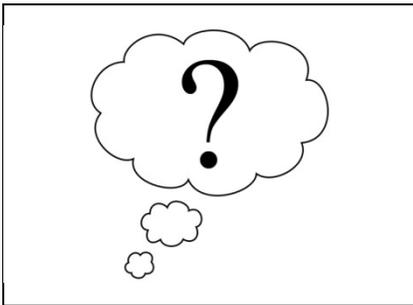
When\*



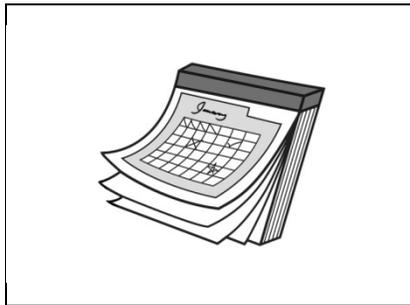
Where



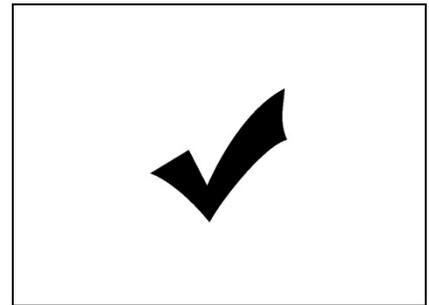
Who



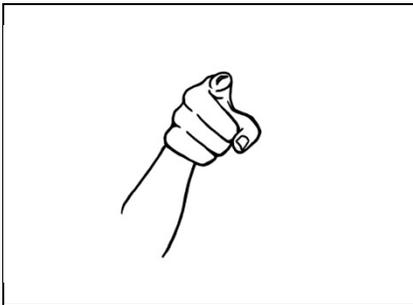
Why



Year, Date, Time\*



Yes, Solution, True, Credible,  
Resolution\*, Agree\*



You

\*Indicates the term has more than one possible picture representation.

## English Language Arts (Reading and Writing)

### READING

In reading, the passages were specifically written for the Alternate K-PREP and will not be present until materials are delivered in the district. **Instruction should focus on the concepts rather than discrete skills.** For example, students should be learning how to identify a character, setting and plot from a story, not just to identify a specific character from a particular story.

### WRITING

In writing, only grades 5, 8 and 11 will be administered this year. Students will not be required to respond to a prompt by completing a written paper or project. Writing tasks are written in the same format as other content areas of the AT, using multiple-choice questions. Some questions may ask students to complete a cloze sentence, to identify the purpose or audience, or to select the word that would be the best transition, closing, introduction, sensory word, etc. The test administrator will record the student's response for each item. Students should be familiar with how to use graphic organizers.

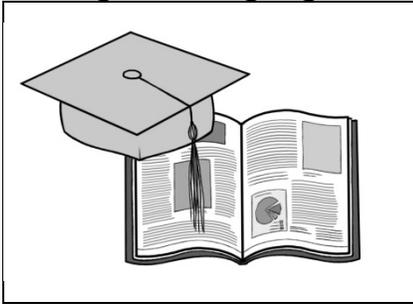
For the purposes of this assessment, publishing is defined as the intentional sharing of information with an intended audience (e.g., email to a specific audience, social media, blog, website, etc...).

Use of technology is included in the writing standards; ensure students are familiar with accessing the Internet, using computer programs such as word processing and PowerPoint and they know the purpose of other technologies such as digital projectors.

### Glossary of ELA Terms

A picture glossary of ELA terms that will be used in the Attainment Tasks follows on pages 13-20.

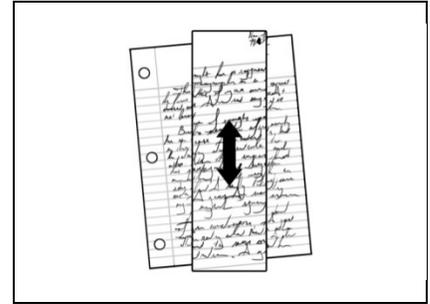
**English Language Arts**



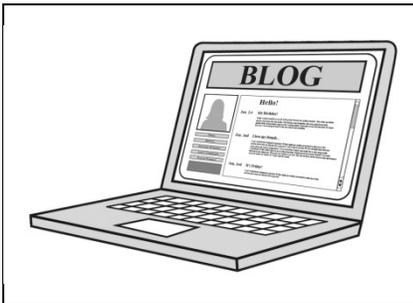
Academic\*, Scholarly journal\*

**B**all  
**B**in  
**B**iscuit

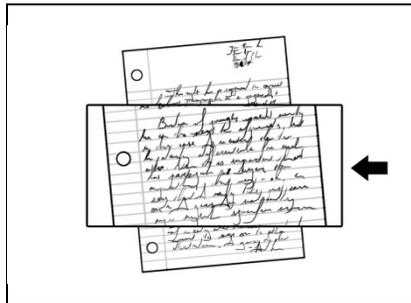
Alliteration



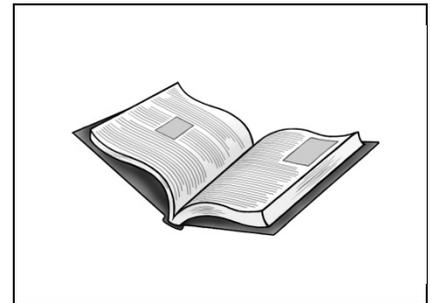
Anywhere



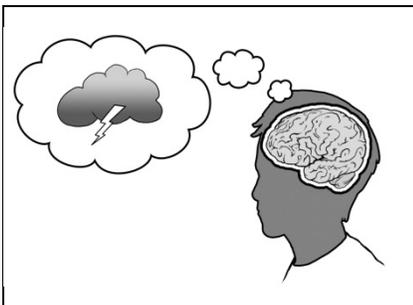
Blog (may be on or off computer screen)



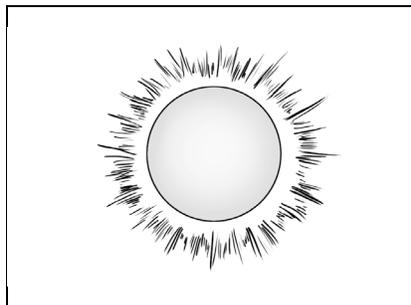
Body\*



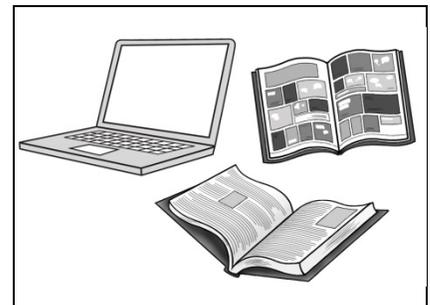
Book\*, Fact, Novel, Educational\*, Learned, Reading\*



Brainstorm\*



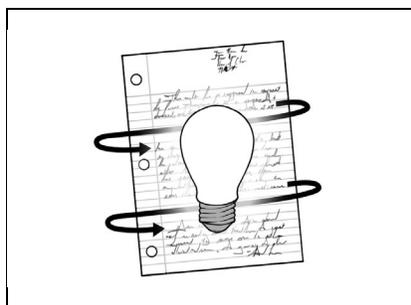
Bright, Summer, Day\*



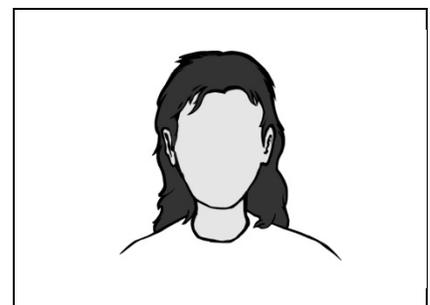
Broaden inquiry, Research, Find out about



Caution, Concern, Attention  
Dangerous, Trouble



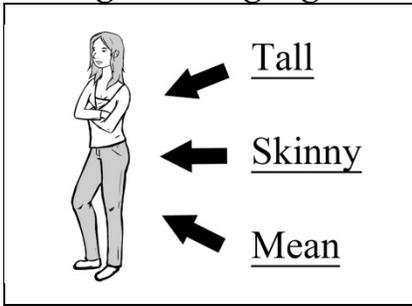
Central idea



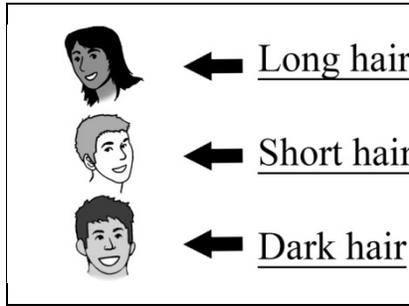
Character

\*Indicates the term has more than one possible picture representation.

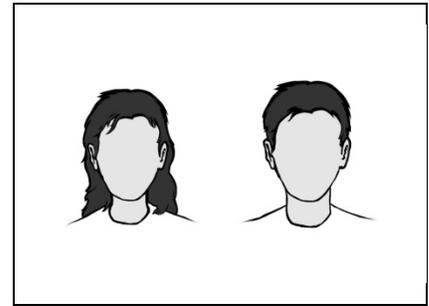
# English Language Arts



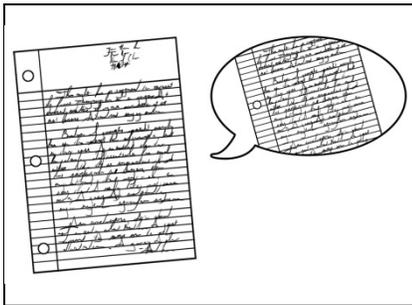
Characterization



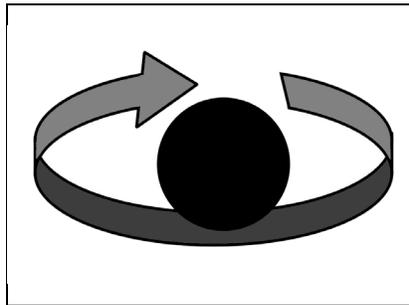
Characters  
(describing different)



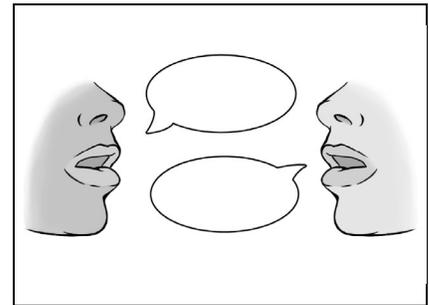
Characters



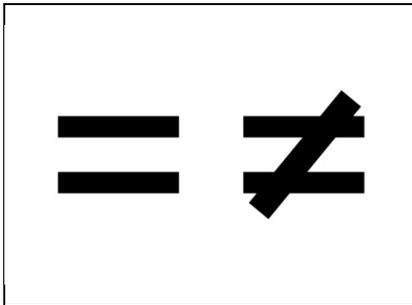
Cite



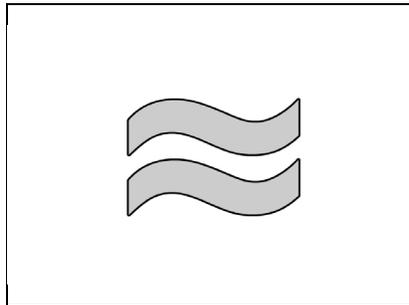
Climax (turning point)



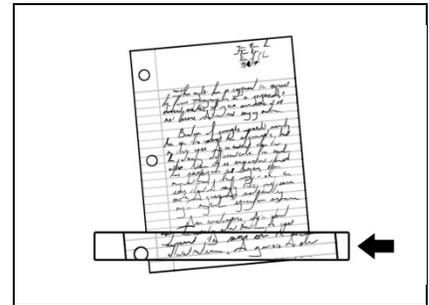
Communicate\*



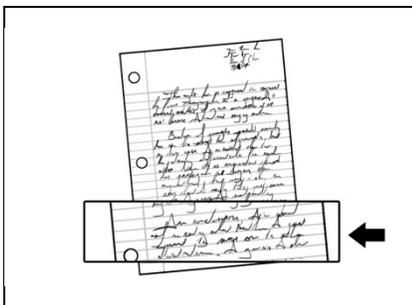
Compare and contrast



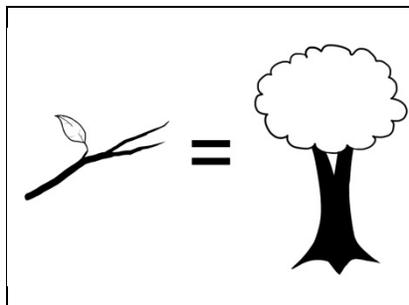
Comparison



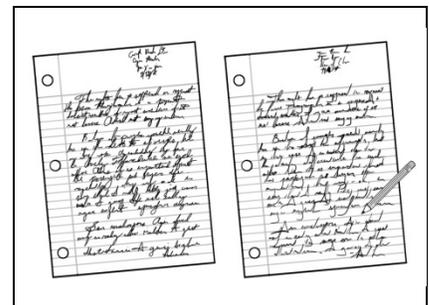
Concluding sentence,  
End (of the paper)



Conclusion



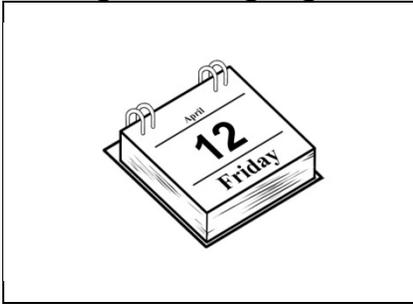
Connotative language



Copy, Plagiarize

\*Indicates the term has more than one possible picture representation.

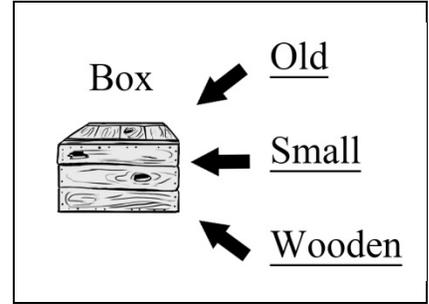
**English Language Arts**



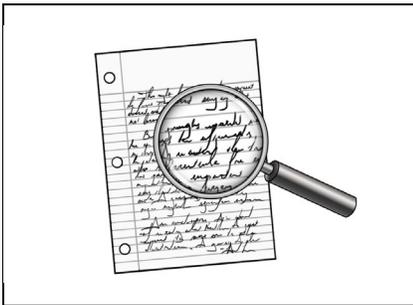
Day\*  
(as in date)



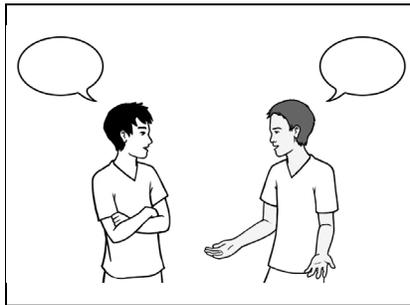
Deeper perspective



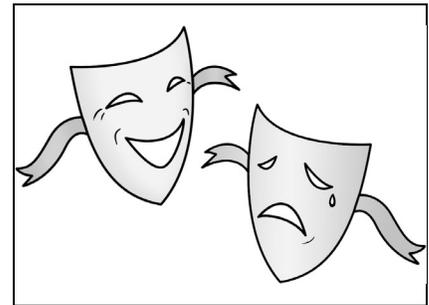
Descriptive, Description,  
Descriptive detail



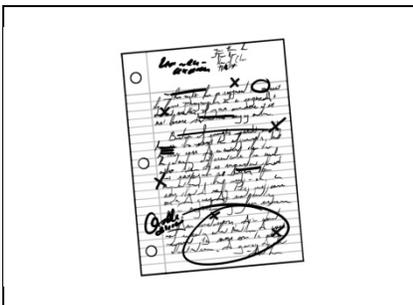
Detail\*, Supporting details,  
Investigation\*



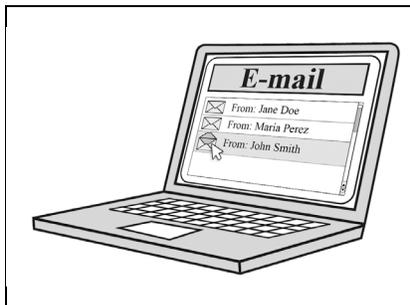
Dialogue



Drama, Comedy, Tragedy



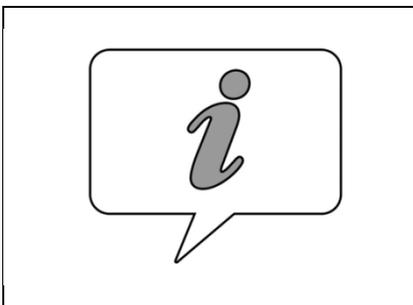
Edit\*, Make suggestions for  
improvement\*, Correct errors\*



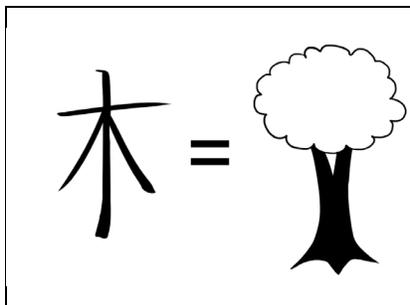
Email  
(may be on or off computer screen)



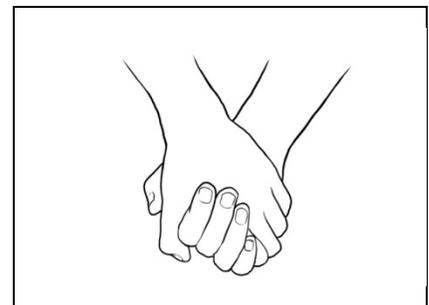
Entertain



Expository



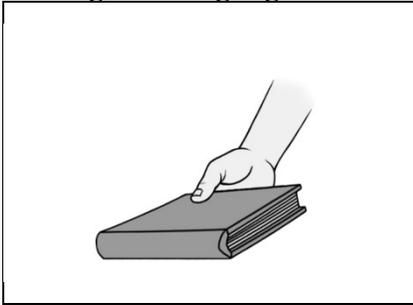
Foreign language



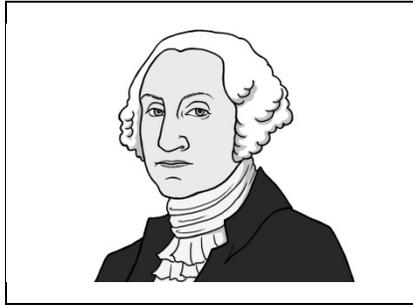
Friend\*

\*Indicates the term has more than one possible picture representation.

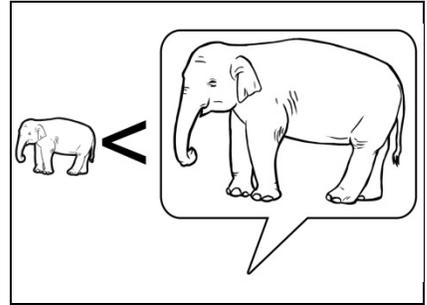
**English Language Arts**



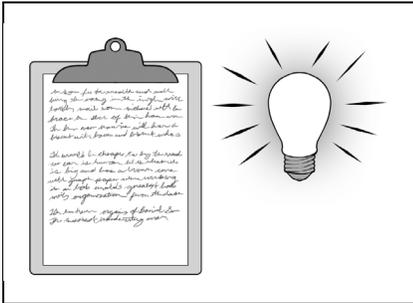
**Gather information, Find source**



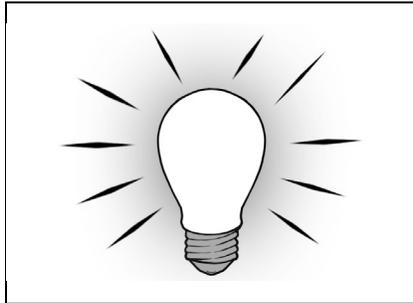
**George Washington, History\***



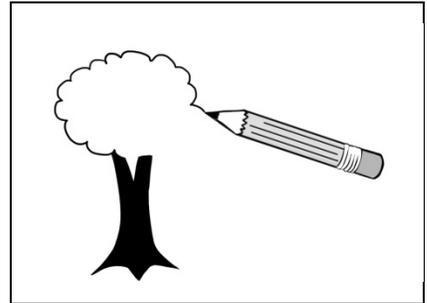
**Hyperbole**



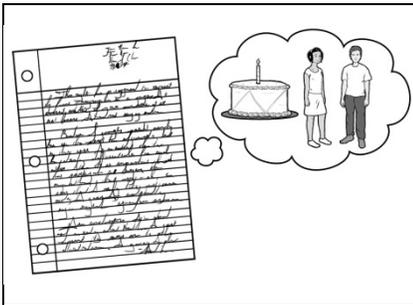
**Hypothesis**



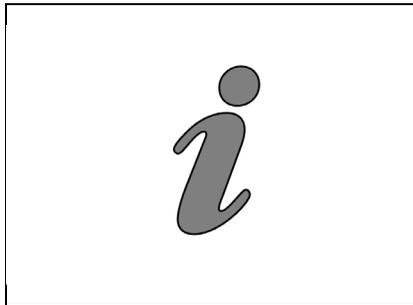
**Idea, Main idea**



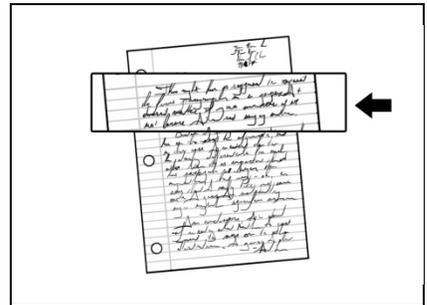
**Illustrate, Draw, Make a picture (may be on or off paper)**



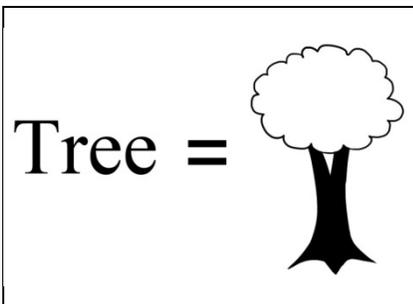
**Imagery\***



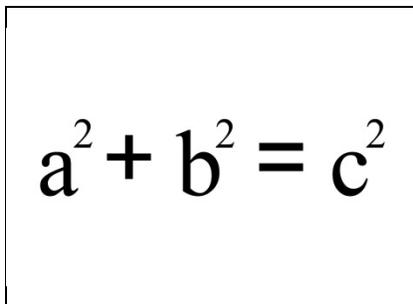
**Inform, Information**



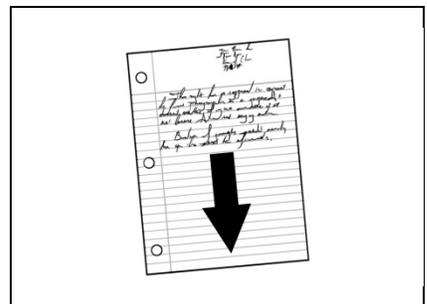
**Introduction, Introduce\*, Beginning**



**Literal text, Explicit language**



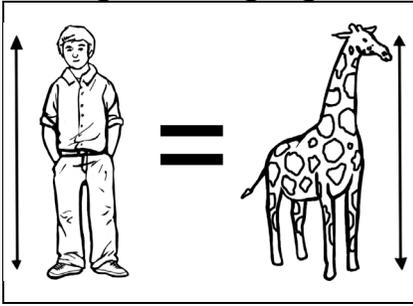
**Logic**



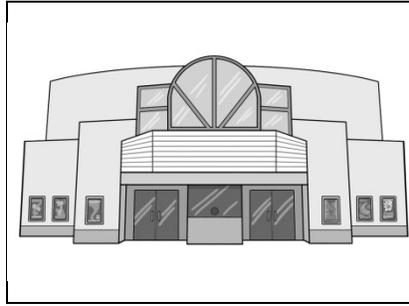
**Make project or story longer, Add length, Use as many words as possible**

\*Indicates the term has more than one possible picture representation.

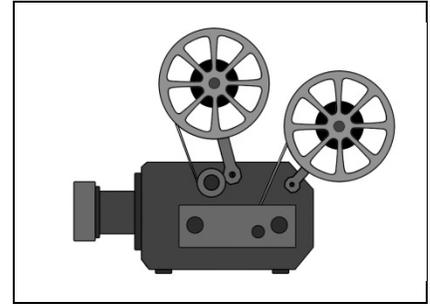
# English Language Arts



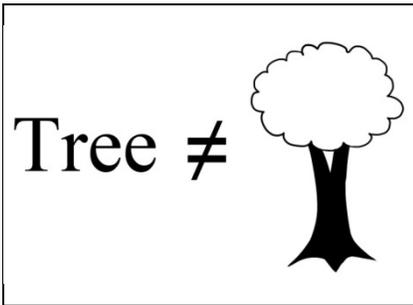
Metaphor



Movie\*, Movies\*



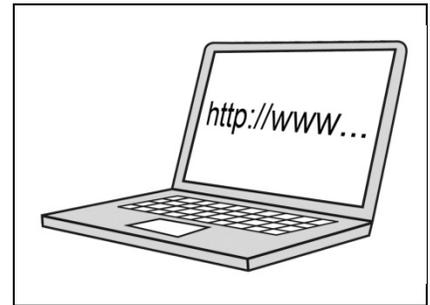
Movie\*



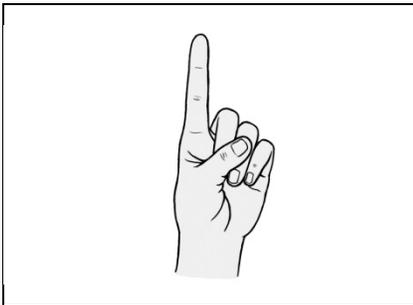
Non-literal text, Figurative



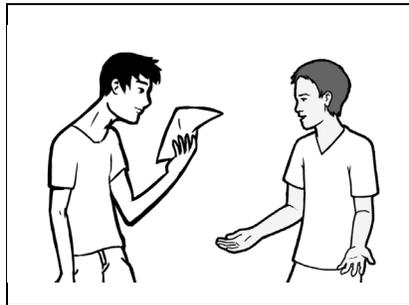
Not enough information



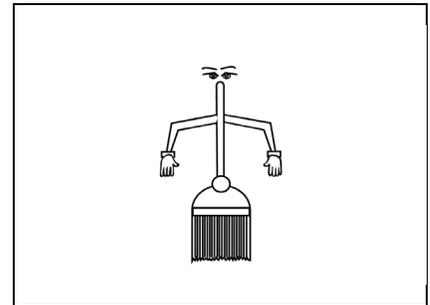
Online\*, Online source (may be on or off computer screen)



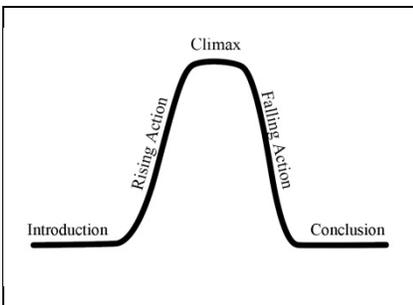
Opinion, One\*



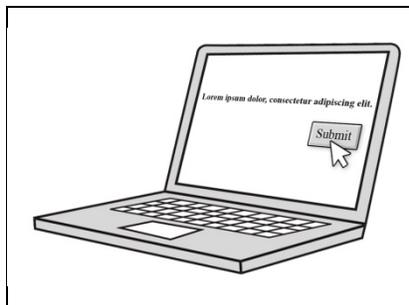
Peer review



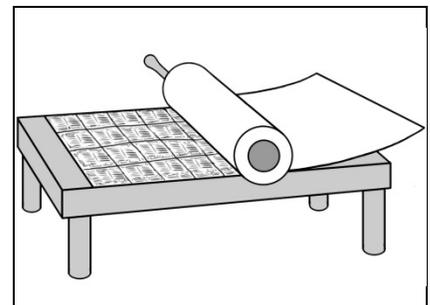
Personification



Plot, Narrative



Post a comment (may be on or off computer screen)



Publishing

\*Indicates the term has more than one possible picture representation.

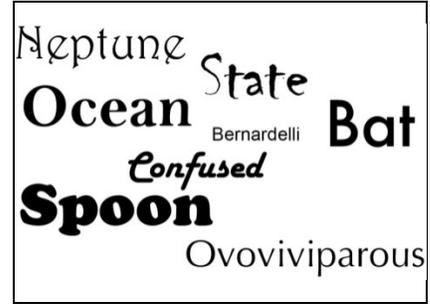
**English Language Arts**



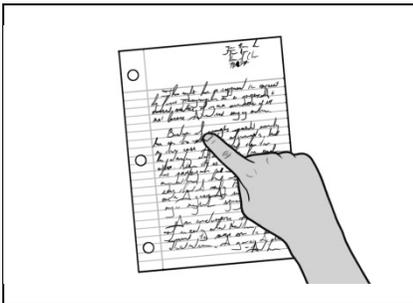
Purpose for writing, Author's purpose



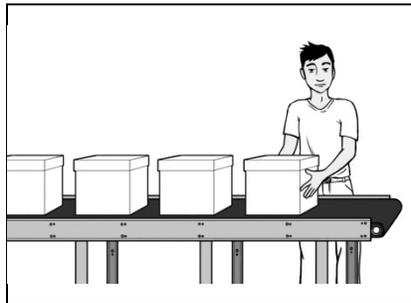
Purpose, Question, Ask, What



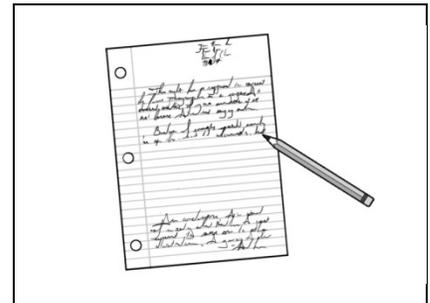
Random words, Different fonts



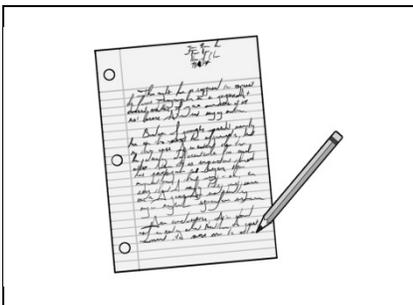
Read the paper\*, Find or Check errors\*



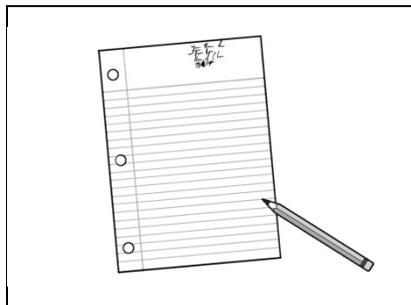
Repetition



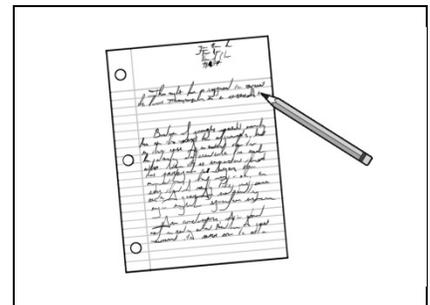
Rewrite body



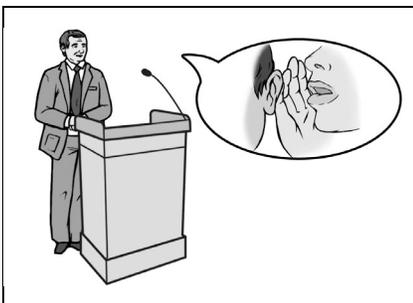
Rewrite conclusion



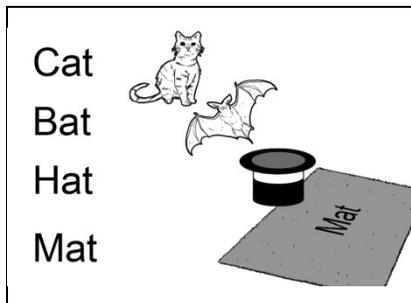
Rewrite entire paper\*



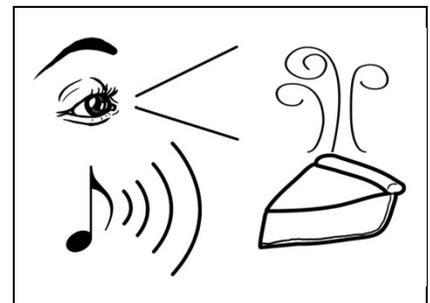
Rewrite introduction



Rhetoric



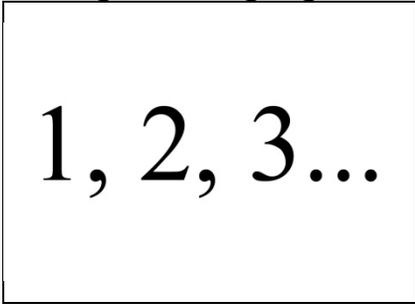
Rhyme



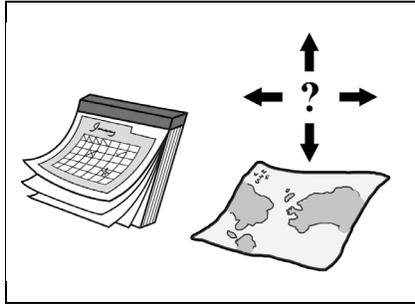
Sensory language

\*Indicates the term has more than one possible picture representation.

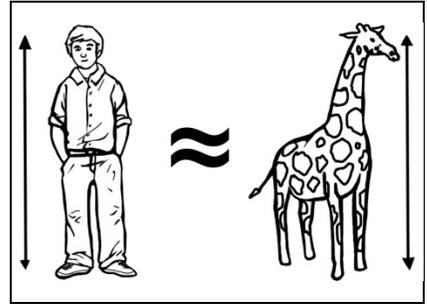
# English Language Arts



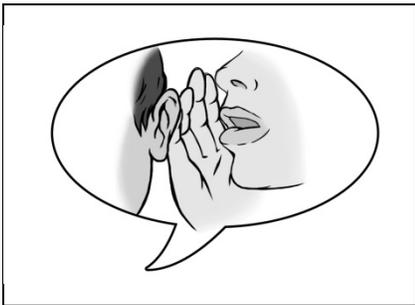
Sequence, Order, Word count



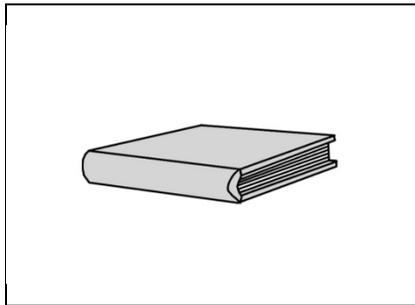
Setting



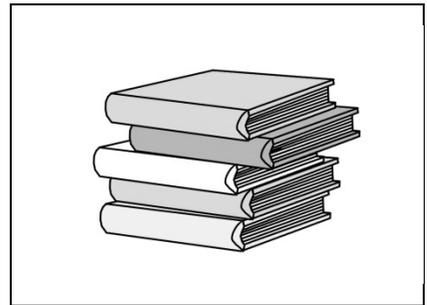
Simile



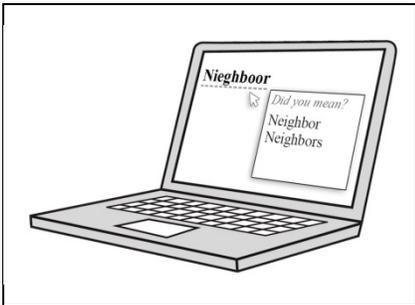
Slogan



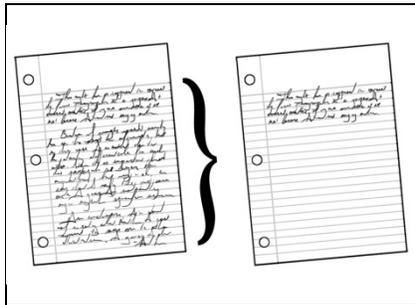
Source\*, Resource\* (one)



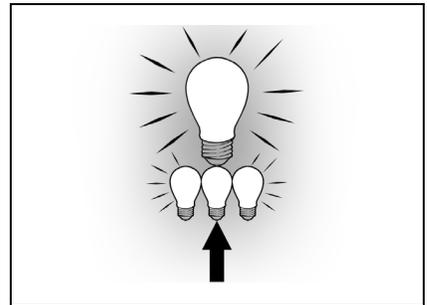
Sources\*, Resources\*



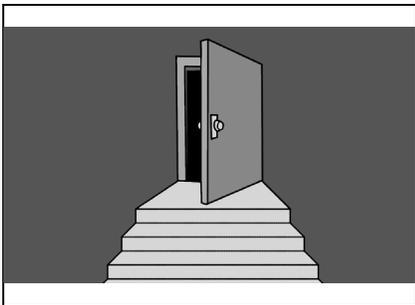
Spell check  
(may be on or off computer screen)



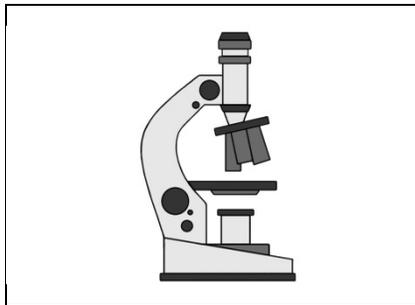
Summary



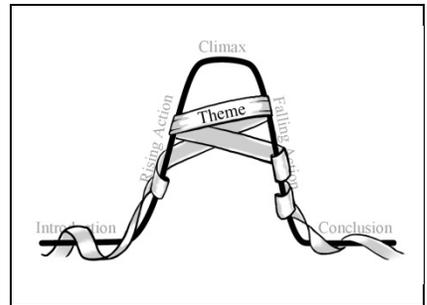
Supporting idea



Suspense



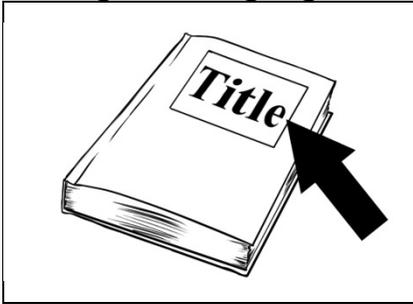
Technical language



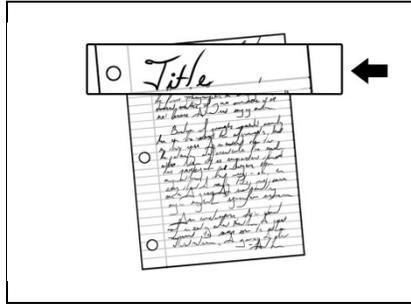
Theme

\*Indicates the term has more than one possible picture representation.

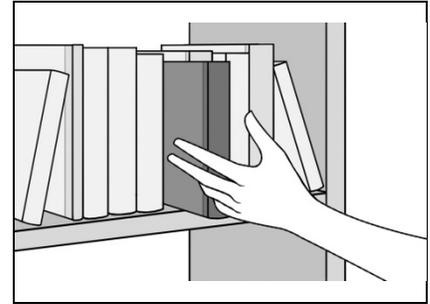
# English Language Arts



Title of book



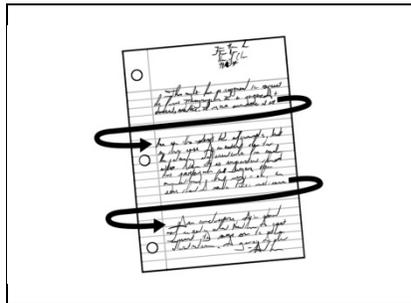
Title of paper



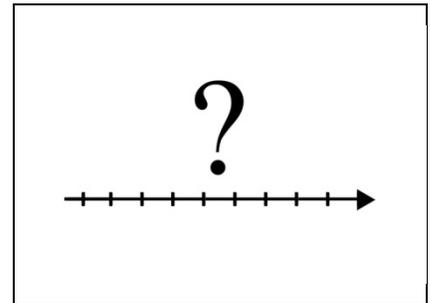
Topic\*

First      Besides      While  
                          Then  
 Truly  
                          However  
 Therefore                      Next

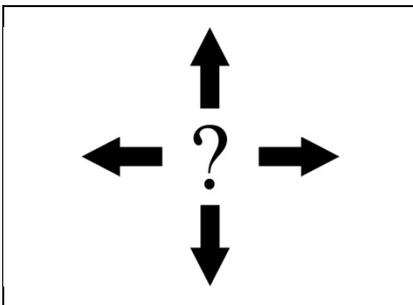
Transition words



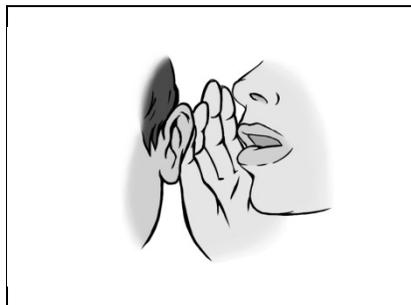
Transitional sentence, Create



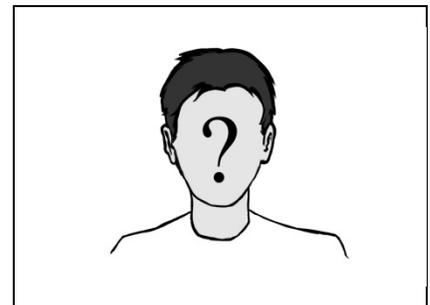
When\*



Where



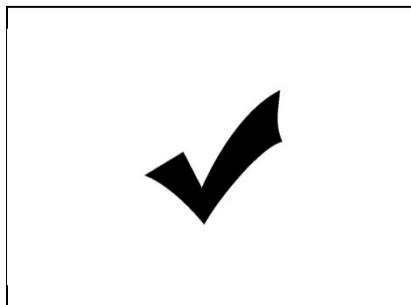
Whisper, Persuade



Who



Why



Yes, Solution, True, Credible,  
 Resolution\*, Agree\*

\*Indicates the term has more than one possible picture representation.

## Mathematics

In mathematics, **illustrations are used to express numbers at the elementary school level only**. Because pictures of apples, dollars, rulers and/or thermometers are not always easy to read when large numbers are involved, the Attainment Tasks will use consistent representations across all content, regardless of the unit being measured. Below is a list of these representations:

- **Whole numbers** (when standing alone) are illustrated using base ten blocks, hundred squares, and thousand cubes (see glossary below for examples).
- **Fractions** are illustrated using a circle, or pie chart. The numerator is the shaded section of the whole. When the response is a mixed number (e.g., one and one half) the whole numbers in that item will also be represented with a whole circle. These numbers are small enough to make this possible (see glossary below for examples).
- **Decimals (including money)** will always be represented by the number (as described above with base ten blocks), a decimal point, and the hundred squares with the corresponding decimal portion shaded (see glossary below for examples).
- **Negative integers** are represented by base ten blocks that are completely shaded.

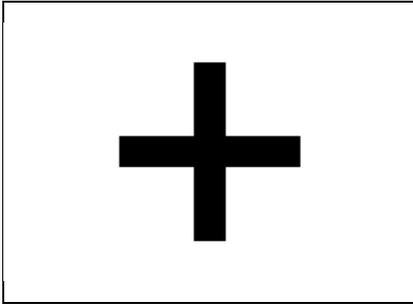
Middle school and high school mathematics tasks will **not** have illustrations for numbers, but teachers can still use manipulatives and pictures if the student needs these materials. Remember, modifications and accommodations just need to be consistent across the response options of each question.

Attainment Tasks that focus on volume in 8<sup>th</sup> grade mathematics will only require students to **solve** for the volume of a cylinder.

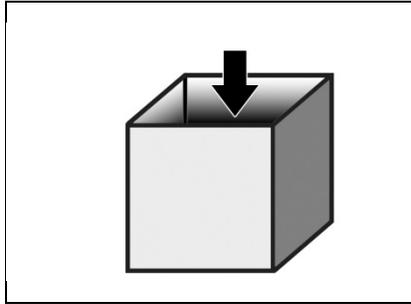
## Glossary of Mathematics Terms

A picture glossary of Mathematics terms that will be used in the Attainment Tasks follows on pages 22-26.

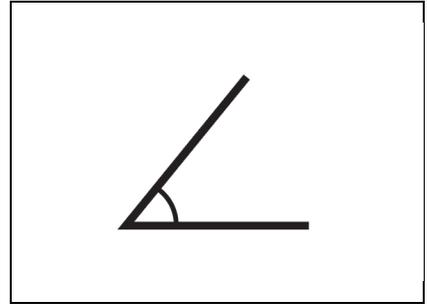
# Math



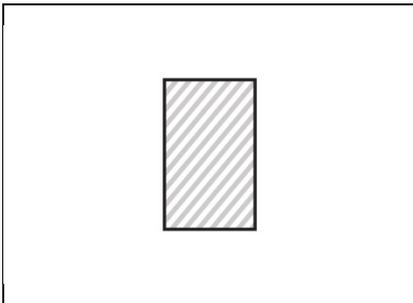
Add, Improve, More\*, Increase\*



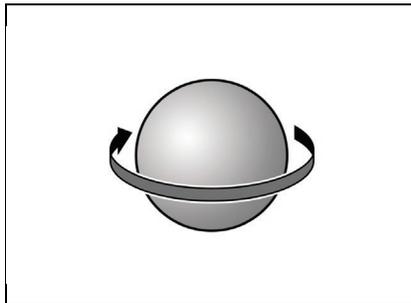
Amount of space in a closed figure



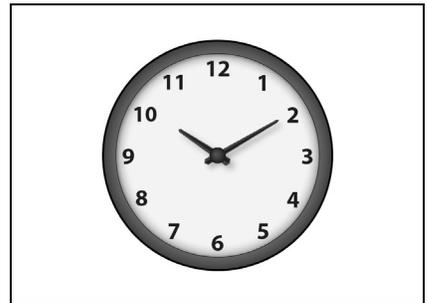
Angle, Acute angle



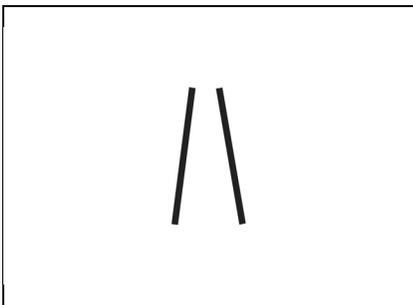
Area



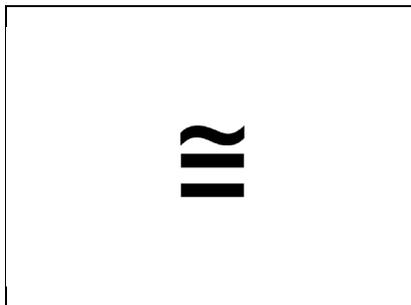
Circumference



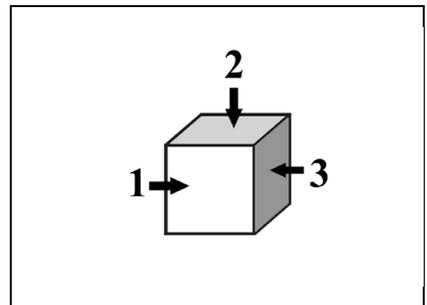
Clock, Time\*, Hours, Minutes



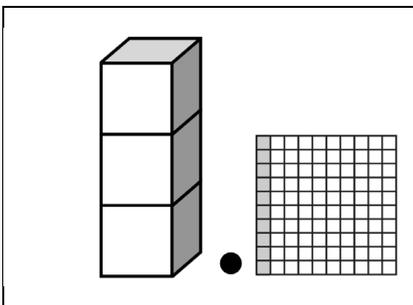
Congruent\*  
(sides)



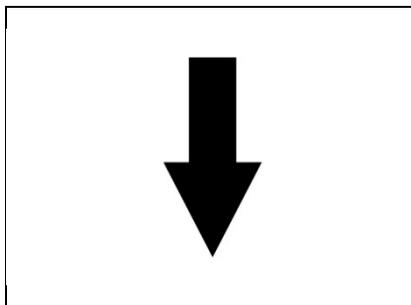
Congruent\*  
(symbol)



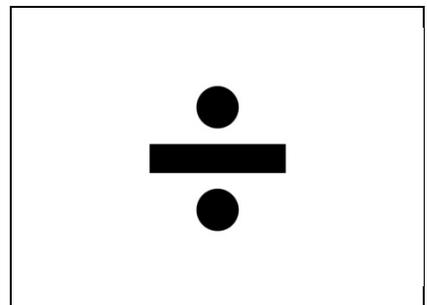
Count cube faces



Decimals (3.1)  
ELEMENTARY ONLY



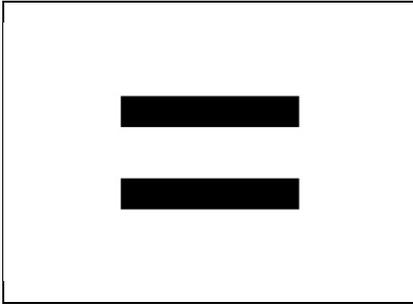
Decrease\*, Down, Less\*



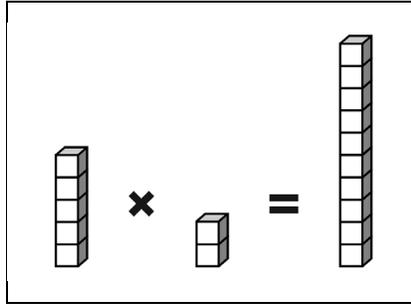
Division

\*Indicates the term has more than one possible picture representation.

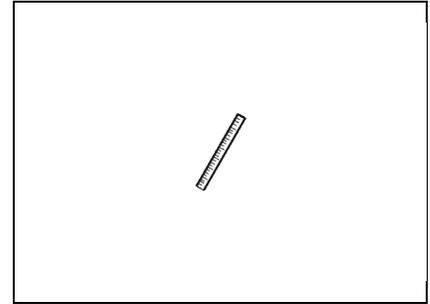
# Math



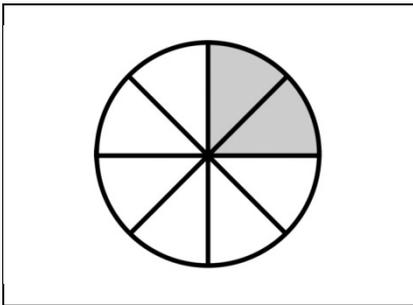
Equals, Does not change, Same\*



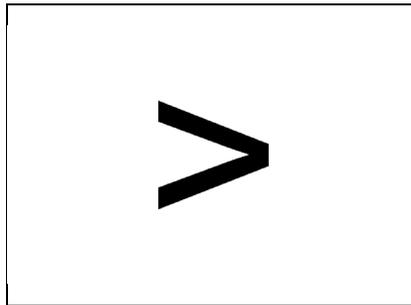
Equations ( $5 \times 2 = 10$ )  
ELEMENTARY ONLY



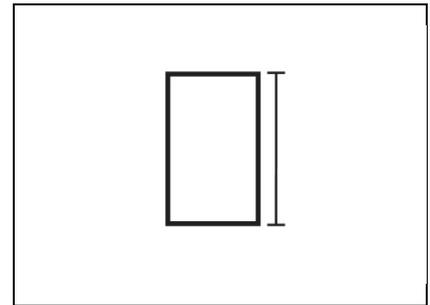
Foot



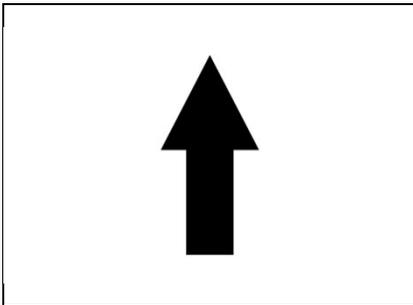
Fraction (part of a whole,  $2/8$ )  
ELEMENTARY ONLY



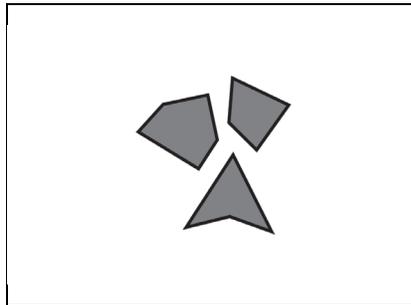
Greater than



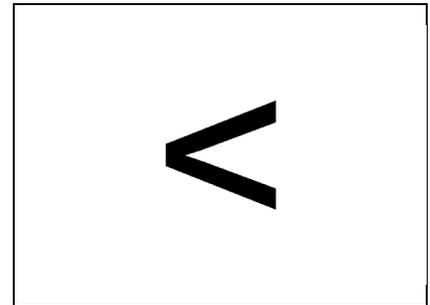
Height, Length



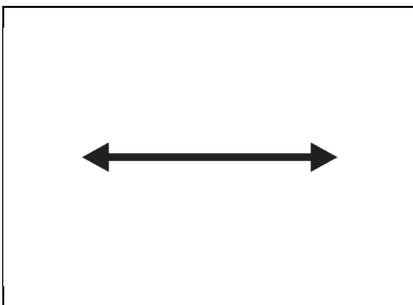
Increase\*, Up, More\*



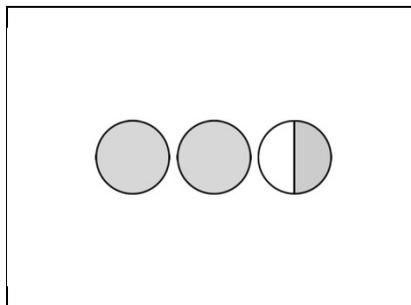
Irregular shapes, Irregular



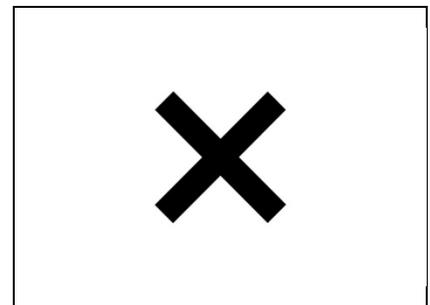
Less than



Line



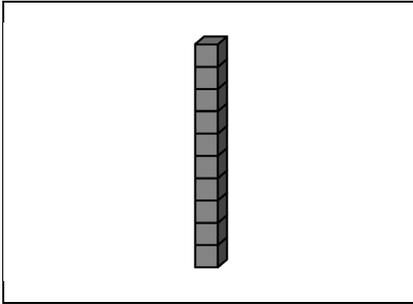
Mixed number ( $2 \frac{1}{2}$ )  
ELEMENTARY ONLY



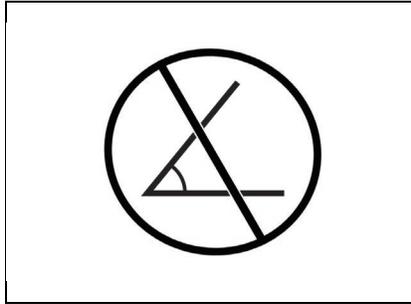
Multiplication\*

\*Indicates the term has more than one possible picture representation.

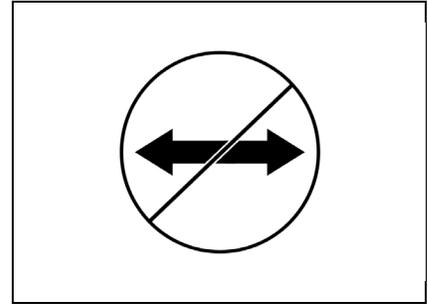
**Math**



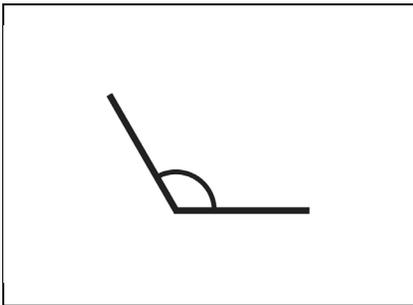
Negative numbers (-10)  
ELEMENTARY ONLY



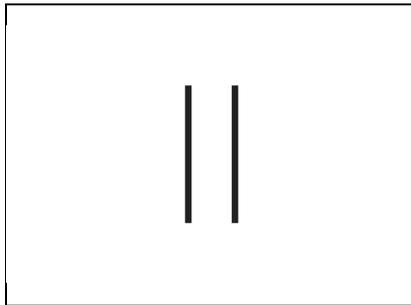
No angle



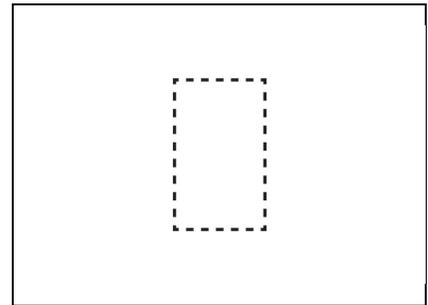
No relationship



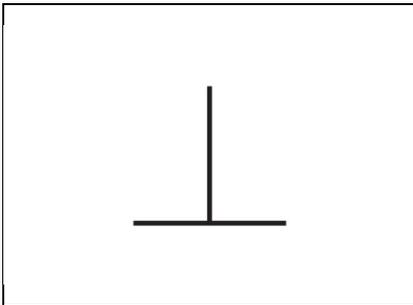
Obtuse angle



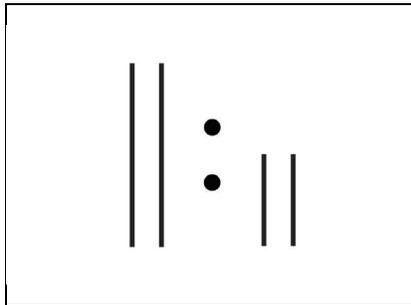
Parallel



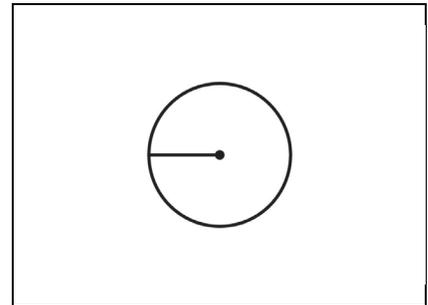
Perimeter



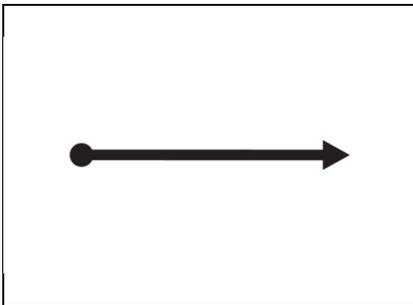
Perpendicular



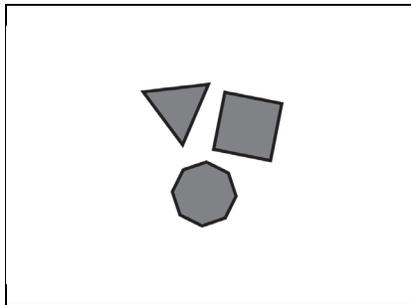
Proportional sides



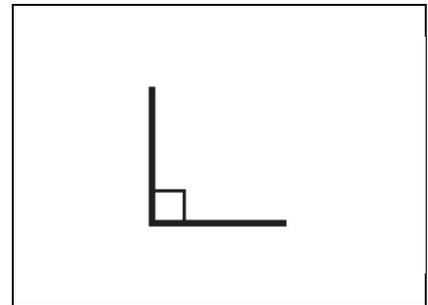
Radius



Ray



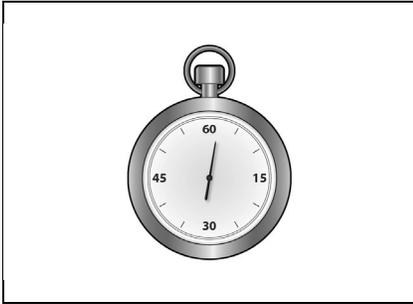
Regular shapes, Regular



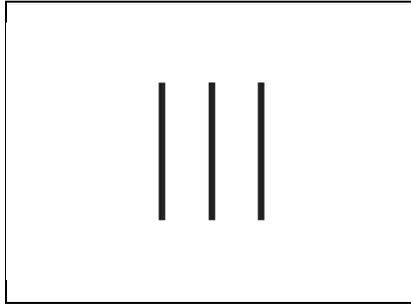
Right angle, 90° angle

\*Indicates the term has more than one possible picture representation.

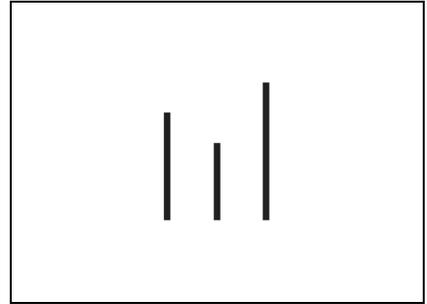
# Math



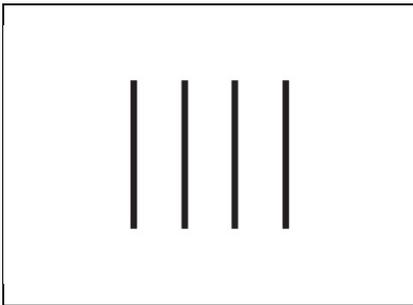
Seconds



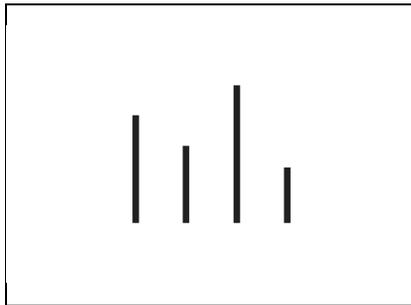
Sides  
(3 equal lengths)



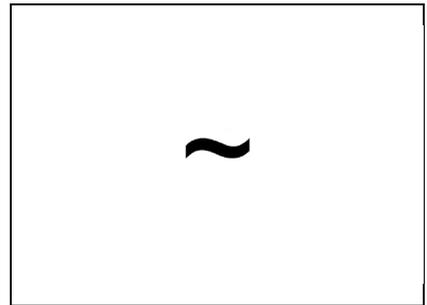
Sides  
(3)



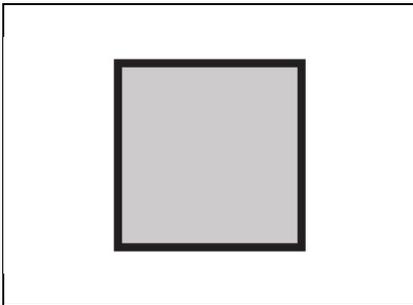
Sides  
(4 equal lengths)



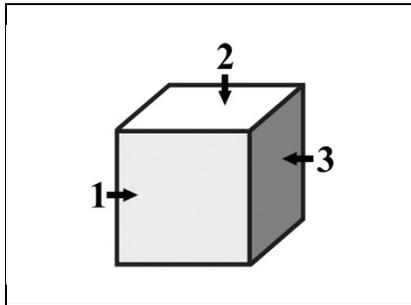
Sides  
(4)



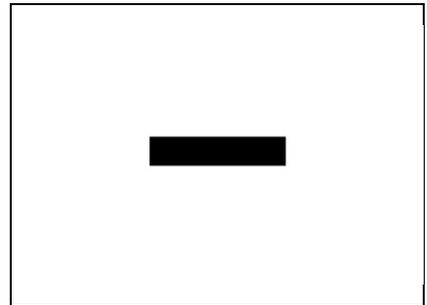
Similar\*, Approximate\*



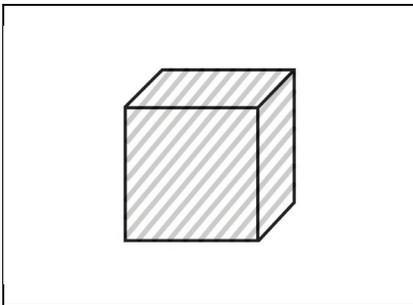
Square  
(shape example)



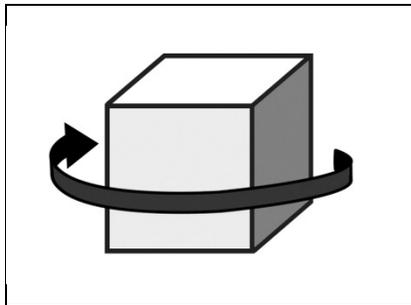
Square units on a surface



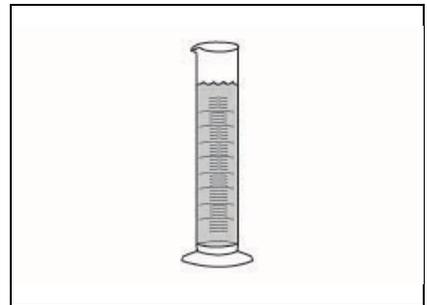
Subtract, Less\*



Surface area



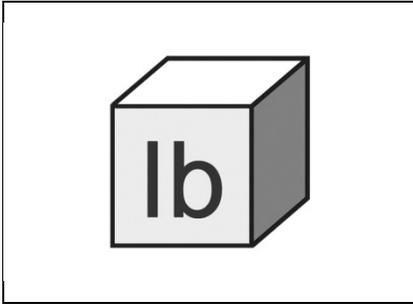
The distance around an object



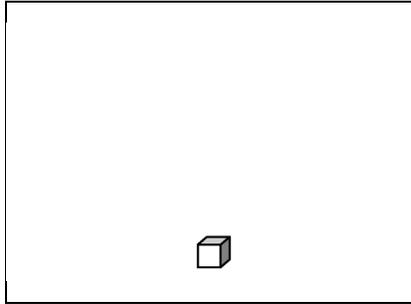
Volume

\*Indicates the term has more than one possible picture representation.

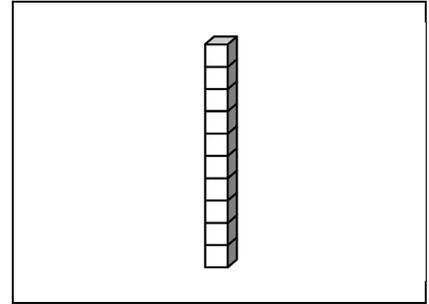
# Math



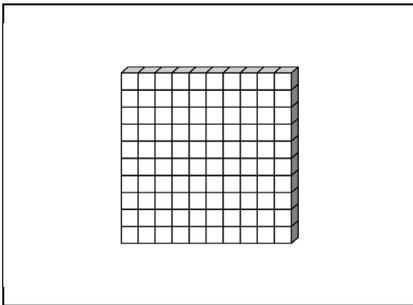
Weight



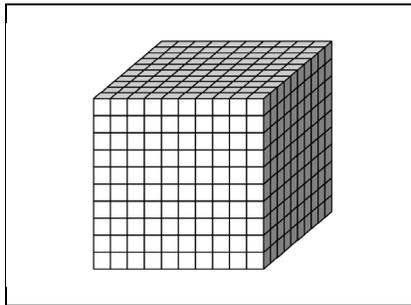
Whole number (1)  
ELEMENTARY ONLY



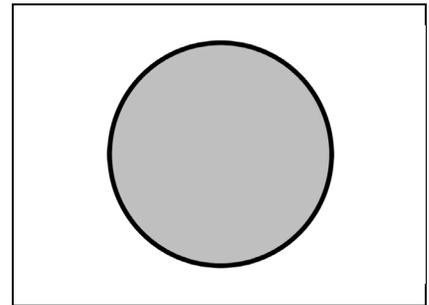
Whole number (10)  
ELEMENTARY ONLY



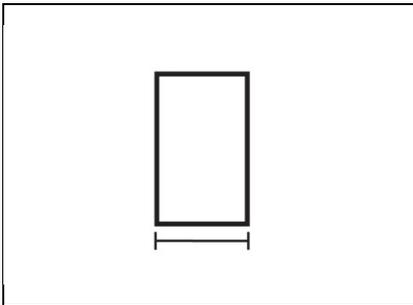
Whole number (100)  
ELEMENTARY ONLY



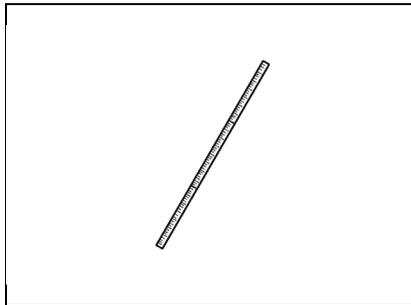
Whole number (1000)  
ELEMENTARY ONLY



Whole number with fractions  
ELEMENTARY ONLY



Width



Yard

\*Indicates the term has more than one possible picture representation.

## Science

In science, the focus of the assessment is on the application of skills or knowledge across scientific concepts. As with all content areas, this year three science standards will be assessed in each testing window. Students will be asked to answer five multiple-choice questions per standard at each grade level. Students may be asked to use information, data, or evidence to:

- Support a claim
- Make predictions
- Compare models
- Evaluate or analyze information (including design)

Tasks may include supplemental materials to facilitate the application of knowledge. Examples of some supplemental materials that may be included are: charts, tables, models, objects for classification, and animation clips. When animation clips are needed, they will be provided for specific grades. Once a test administrator at grade 4, 7, or 11 has completed the AT Training and corresponding quiz, a link will appear in the OTS called “My AT Science Videos” enabling access to the grade-appropriate videos. The video clips will be accessible directly on a computer, tablet or smart board with internet connectivity; **DO NOT DOWNLOAD** these videos as they are secure test materials. Additionally, a thumb drive will be included in the science materials provided during shipping. **At the end of each testing window, the thumb drive (USB drive) must be returned to the District Assessment Coordinator (DAC) for return to the Kentucky Department of Education.** For students with visual impairments, some animation clips will be provided, in part, as tactile graphics. Each animation clip will have a scripted description of the phenomenon occurring in the clip; for students with visual impairments or other difficulty following animation clips; please read the script exactly as written and provide any accompanying tactile graphic. The scripts **must** be read as written. Students should be familiar with (and have available to them for use) appropriate grade level science tools which are needed for scientific inquiry and used in experiments; this includes, but is not limited to: ruler, scale, magnifying glass, magnet, clock, periodic table (as indicated by grade).

In order to view the science standards, use the link below:

<http://education.ky.gov/aa/assessments/kprep/pages/altstd.aspx>

The science standards were selected based on a progression; this allows parents, teachers and students to see the expectations for learning across grade bands. To access the science progressions use the link below:

<http://education.ky.gov/AA/Assessments/kprep/Pages/AltResources.aspx>

For the **Engineering and Technology** progression, it is important to focus on teaching students how to identify: a problem (e.g., the pencil keeps rolling off of the desk), what constraints (limits) the student has for fixing the problem (e.g., time, money, materials) and then given the constraints, deciding what the best solution to the problem is (e.g., put a book on the desk to stop the pencil, or place something under the short leg of the desk to make the desk level). This progression is about everyday problem solving that involves asking and answering questions:

1. What’s wrong (or what is the problem)?
2. How can the problem be fixed?
3. What is needed to fix the problem (or for the solution)?
4. Is there enough time, money, space, materials, etc. to use this solution?
5. What else could be done?
6. How are society and the environment impacted?

Identifying problems and working through how different constraints will impact possible solutions is a very important life lesson.

### **High School**

A full-color copy of the periodic table that will be used during the assessment is included (Figure 1) in this resource guide for instructional purposes.

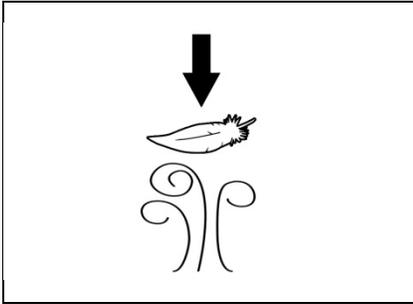
For instructional purposes, it may be helpful to use the color-coding on the Periodic Table. When utilizing the periodic table, students should understand it is likely that Non-metals will react with other Non-metals and likely that Non-metals will react with Metals. Generally speaking, Noble Gases are non-reactive; meaning they do not easily combine with other elements to form compound elements.

### **Glossary of Science Terms**

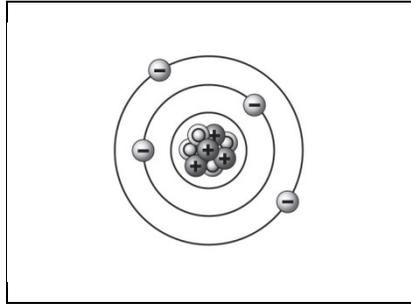
A picture glossary of science terms that will be used in the Attainment Tasks follows on pages 29-33.



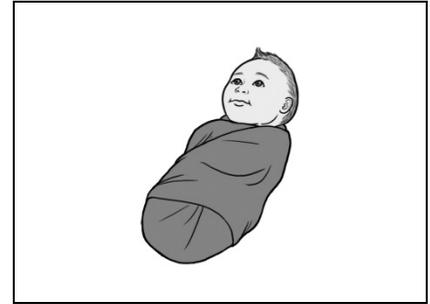
# Science



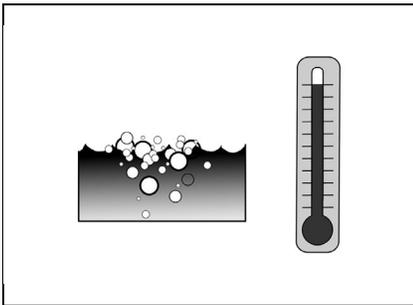
Air Resistance



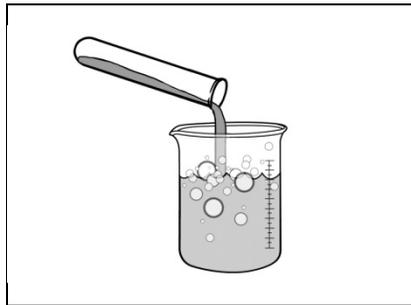
Atoms



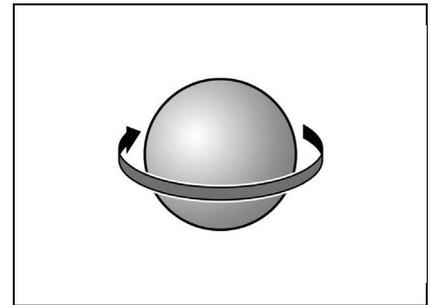
Birth\*



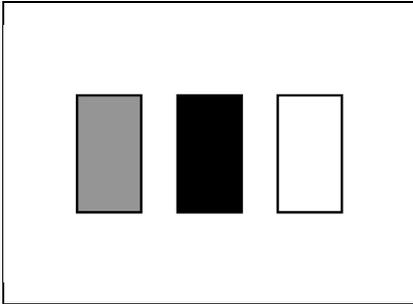
Boiling point



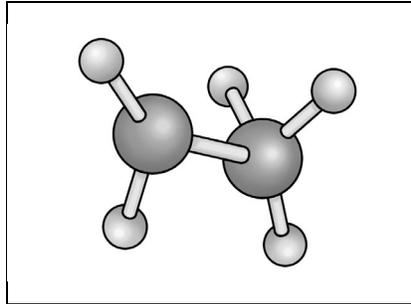
Chemical change



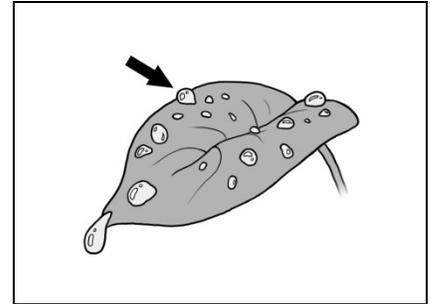
Circumference



Color\*



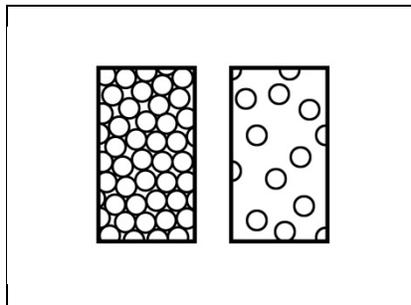
Compound



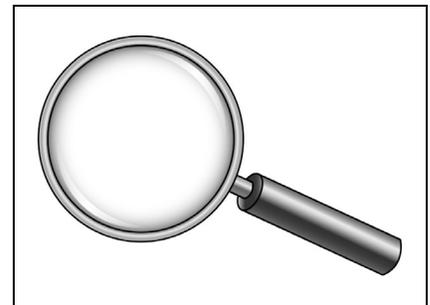
Condensation\*



Death\*



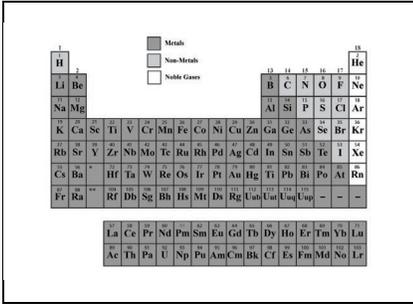
Density



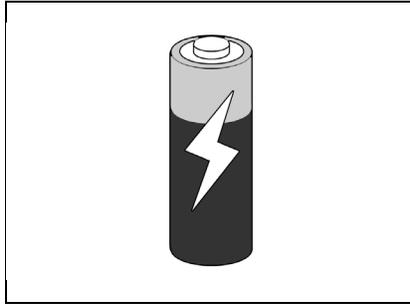
Detail\*, Find\*,  
Investigation\*

\*Indicates the term has more than one possible picture representation.

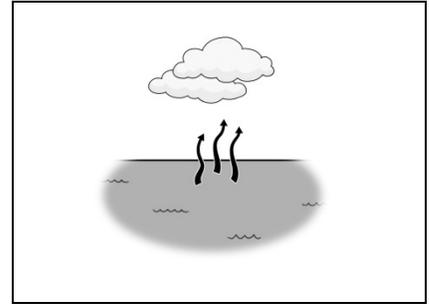
# Science



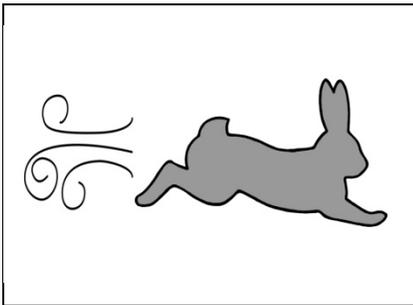
Element (periodic table)



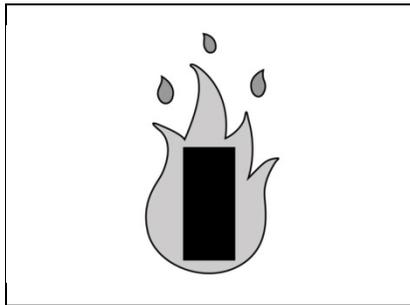
Energy\*



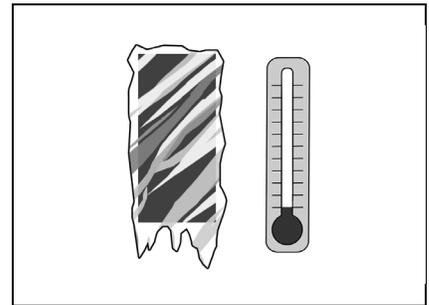
Evaporation\*



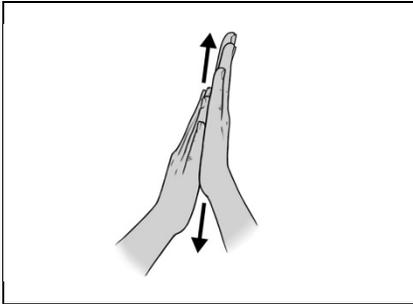
Fast\*



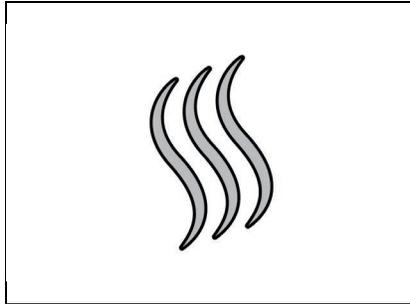
Flammability



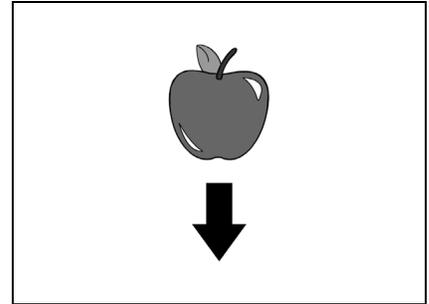
Freezing point



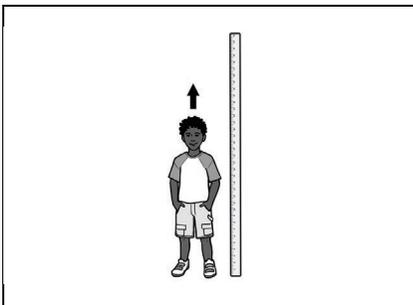
Friction



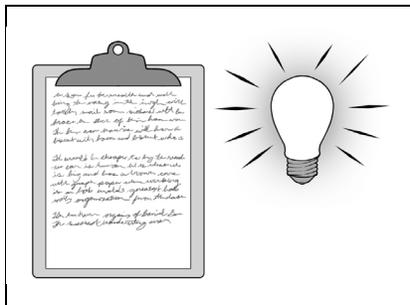
Gas\*



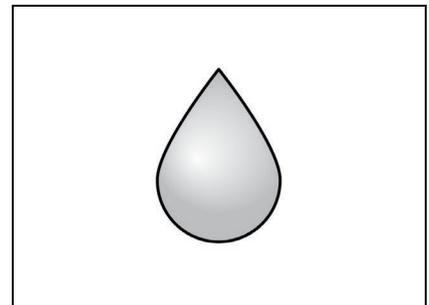
Gravity



Growth\*



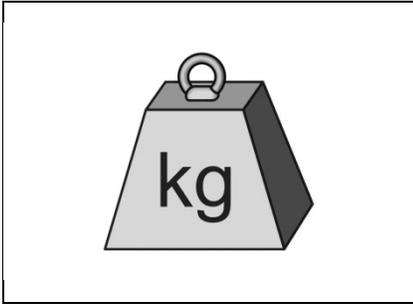
Hypothesis



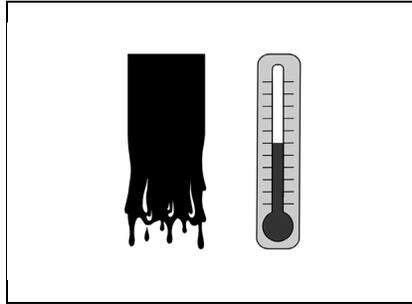
Liquid\*

\*Indicates the term has more than one possible picture representation.

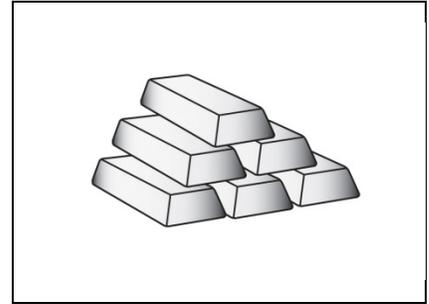
# Science



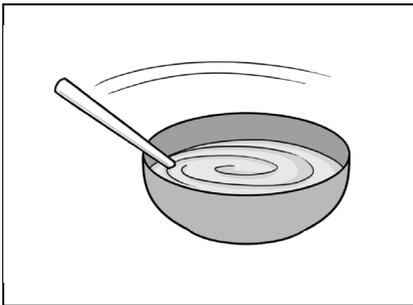
Mass



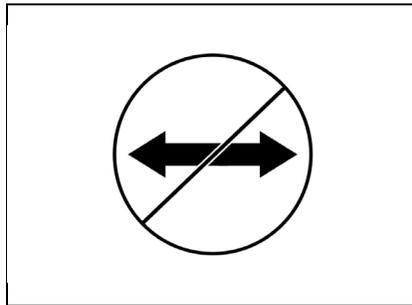
Melting point



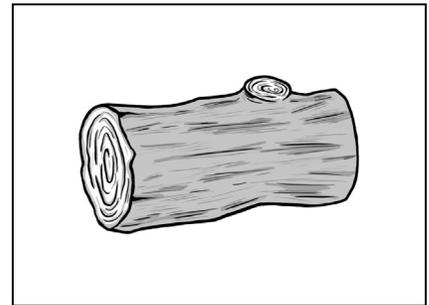
Metal



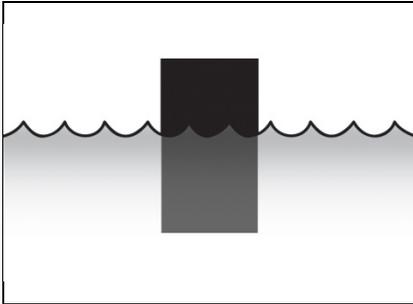
Mixture



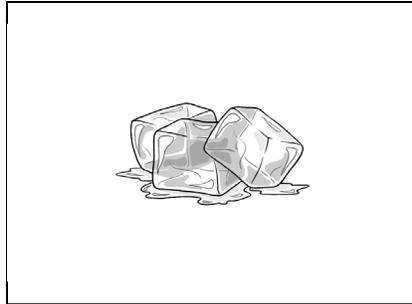
No Relationship



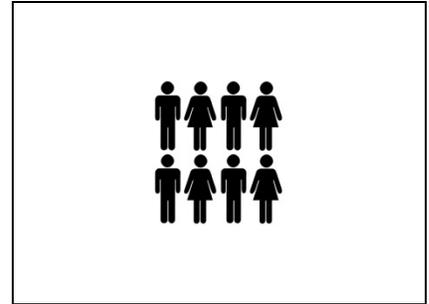
Nonmetal



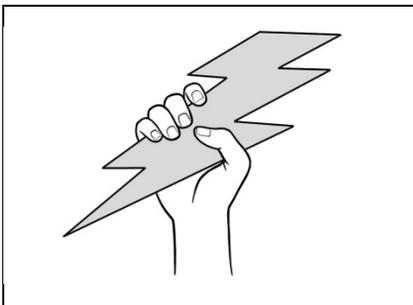
Nonreactive



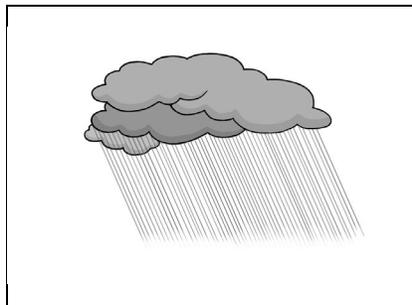
Physical change



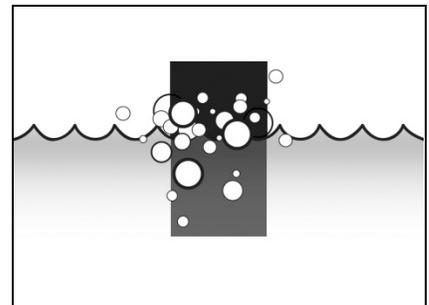
Population



Power



Precipitation\*



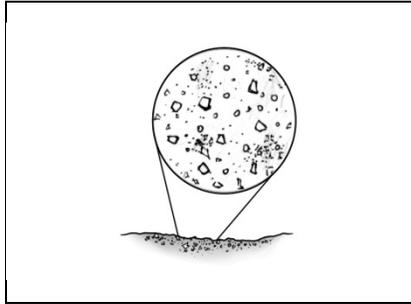
Reactivity

\*Indicates the term has more than one possible picture representation.

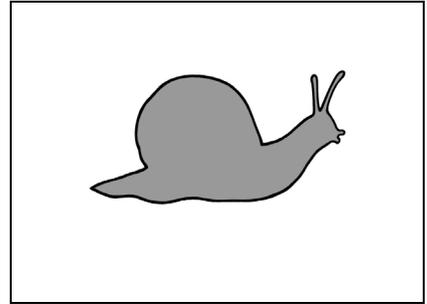
# Science



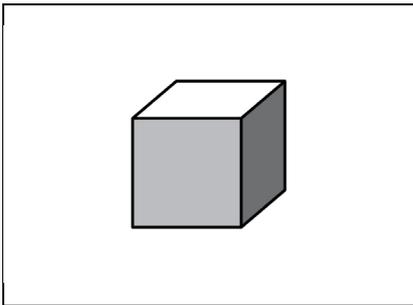
Reproduction\*



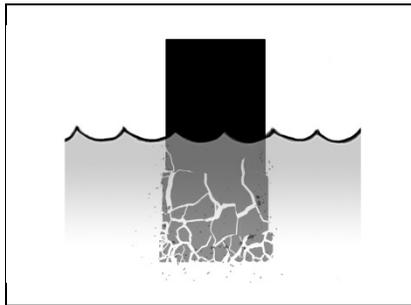
Sediment



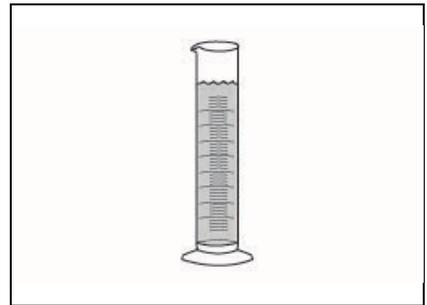
Slow\*



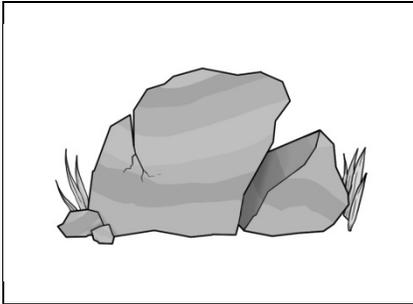
Solid\*



Solubility



Volume



Weathering

\*Indicates the term has more than one possible picture representation.

## **Social Studies**

In Social Studies, students will often have supplemental materials to support the questions being asked in the Attainment Tasks. Depending on the grade level or the content standard, students will be provided with maps, short reading passages, and/or tables and charts.

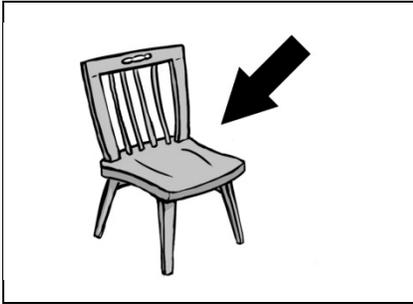
In 8<sup>th</sup> grade social studies, Standard 8.1 (Students will explain how history is a series of connected events shaped by multiple cause-and-effect relationships and give examples of those relationships) will focus only on the time period covered in general education 8<sup>th</sup>-grade classes. Assessment topics will cover the timeframe from Colonial America to Reconstruction.

**This year (2019-2010) 12<sup>th</sup> grade Social Studies will not be assessed.**

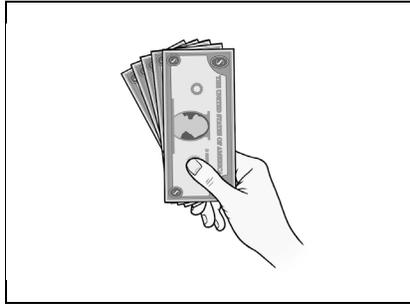
### **Glossary of Social Studies Terms**

A picture glossary of social studies terms that will be used in the Attainment Tasks follows on pages 35-41.

## Social Studies



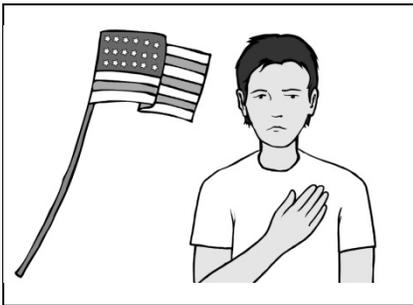
Appointment



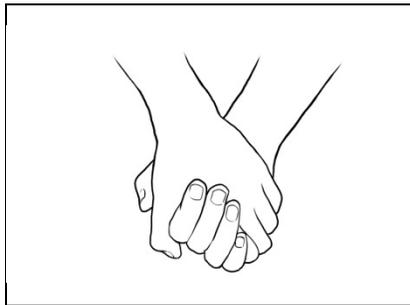
Bought\*, Paid\*, Demand  
(as in supply and demand)



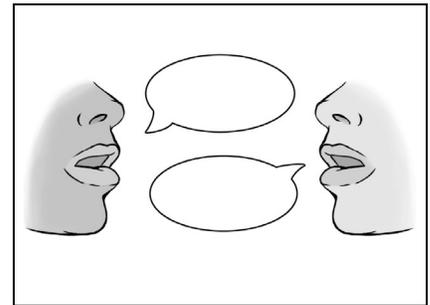
Checks and balances  
(example - Federal)



Citizen\*



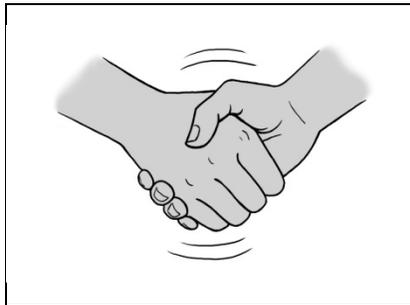
Collaboration, Friendship\*



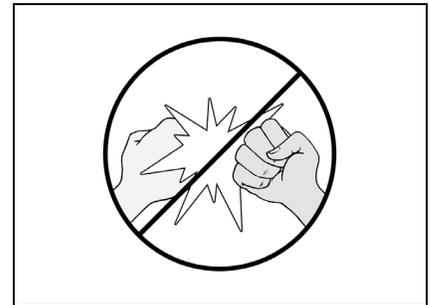
Communicate\*



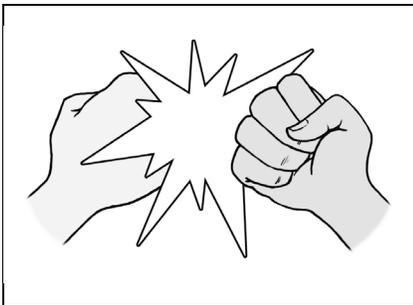
Community



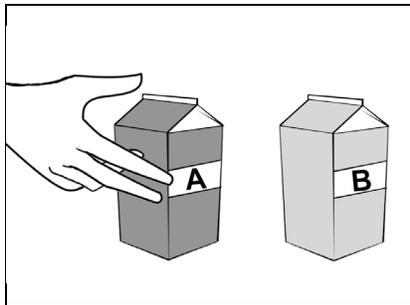
Compromise, Agree\*, Thank\*



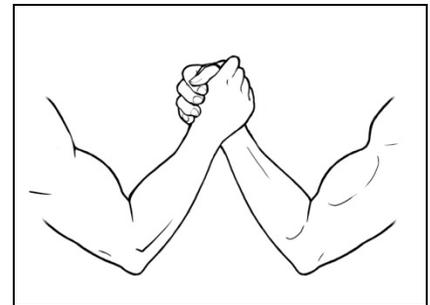
Conflict resolution



Conflict, Fighting



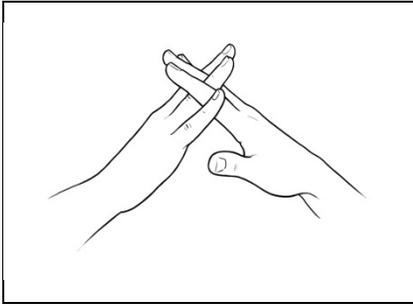
Consumer preference



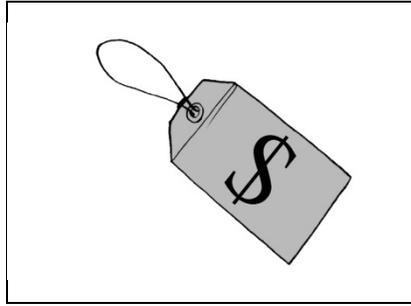
Contest

\*Indicates the term has more than one possible picture representation.

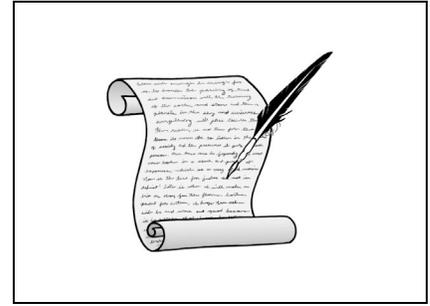
## Social Studies



Cooperate



Cost, Price, Expense



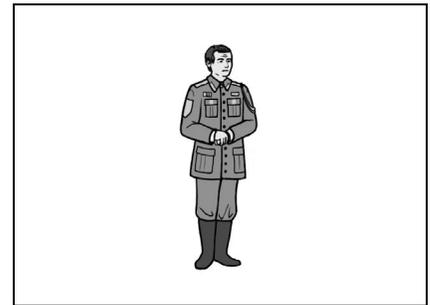
Create laws



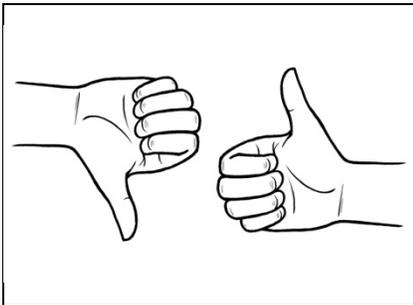
Crime\*



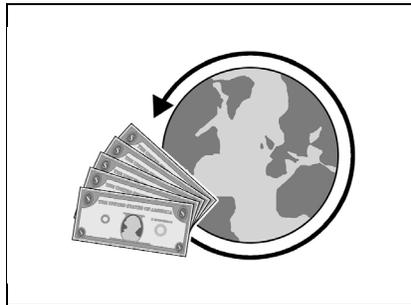
Crime\*



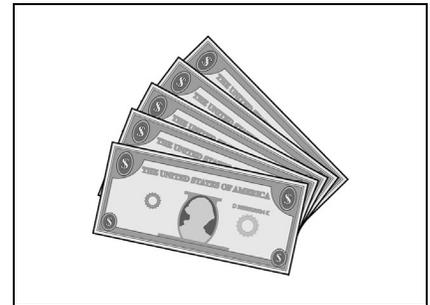
Dictator\*



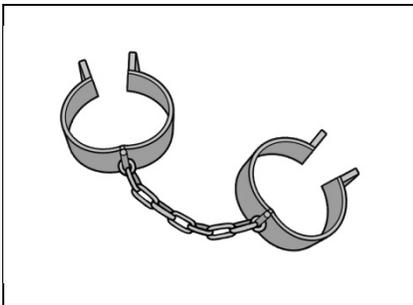
Disagreement\*, Differences



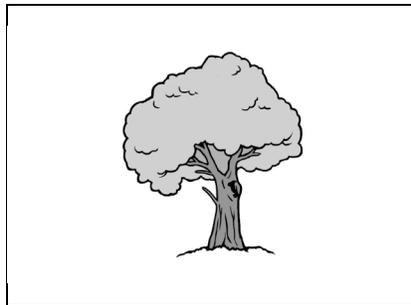
Economic Globalization



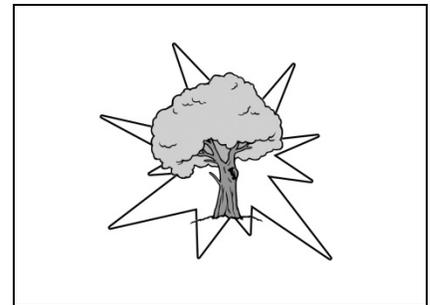
Economy\*



Emancipation\*



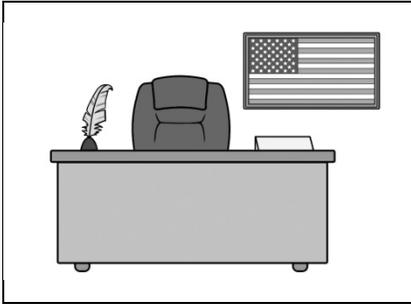
Environment\*



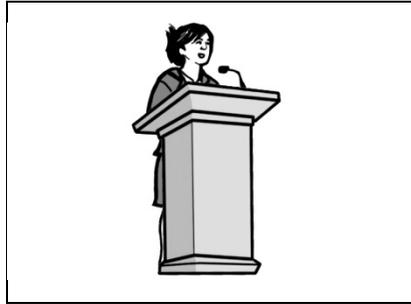
Environmental impact

\*Indicates the term has more than one possible picture representation.

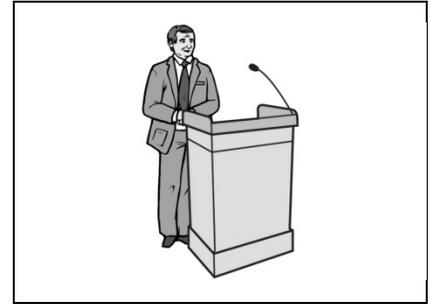
## Social Studies



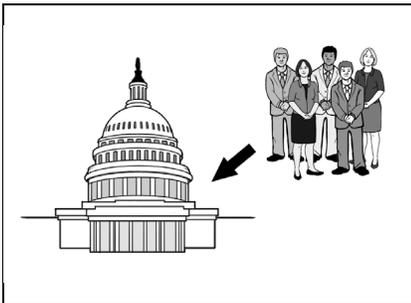
Executive branch\*  
(example - Federal), President\*



Free Speech



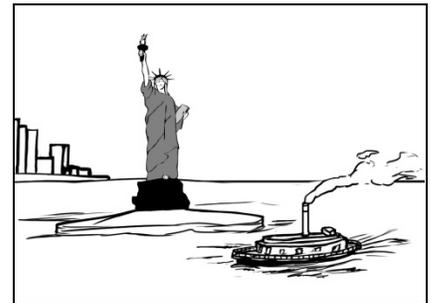
Governor\*



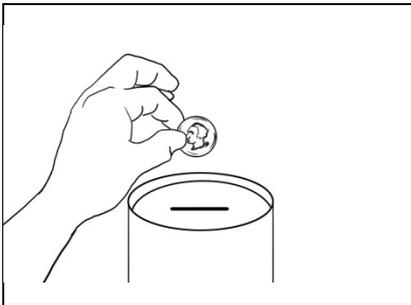
House of representatives\*  
(example - Federal)



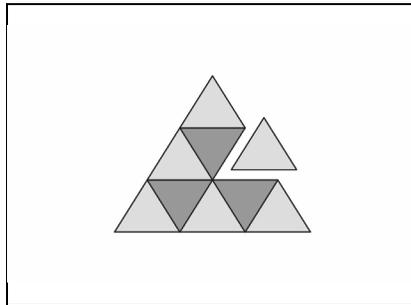
Immigration\*  
(example - to Brazil)



Immigration\*



Input costs



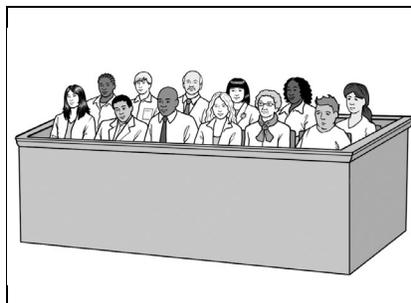
Integration



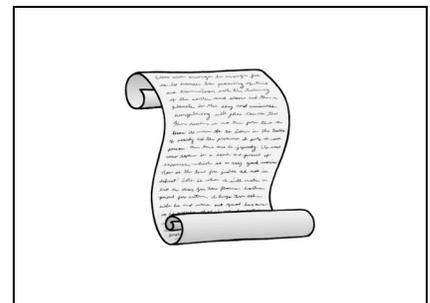
Judge, Justice, Supreme Court\*,  
Decide if it's legal



Judicial branch, Supreme Court\*,  
Punishment



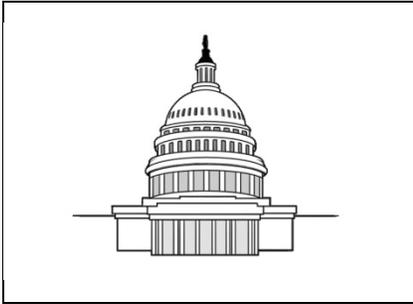
Jury



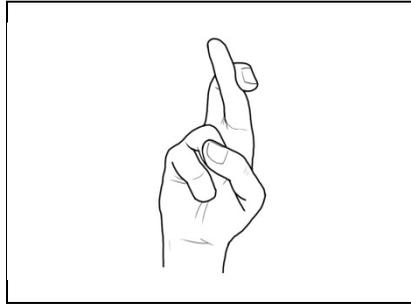
Law, Bill, Constitution,  
Declaration of Independence

\*Indicates the term has more than one possible picture representation.

**Social Studies**



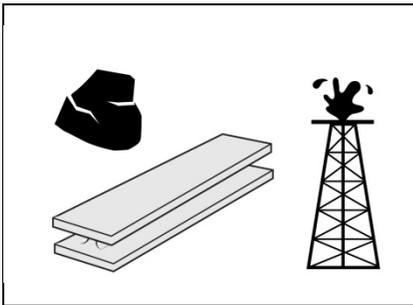
Legislative branch\*  
(example - Federal)



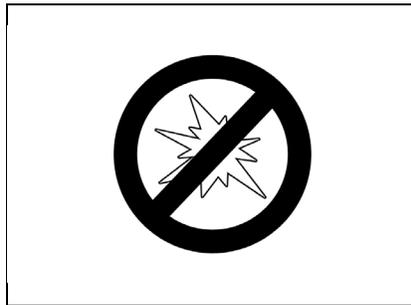
Luck\*



Monarchy



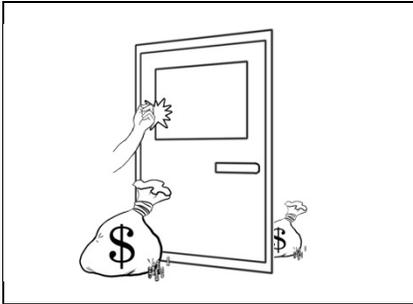
Natural Resource



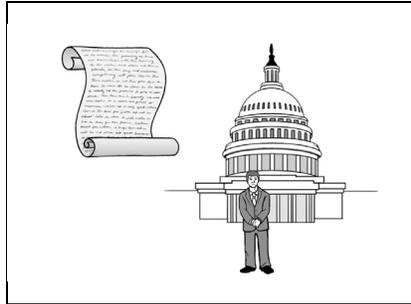
No impact\*



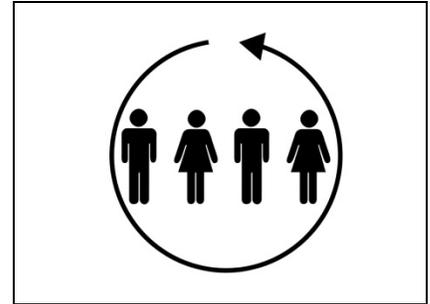
Obey the law, Enforce law or legislation (may or may not have car in background)



Opportunity Cost



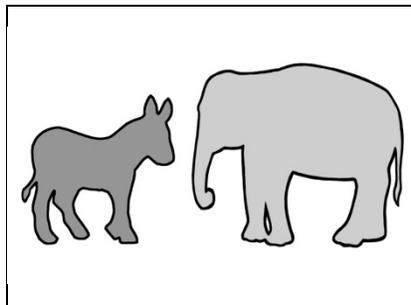
Passing law\*  
(example - Federal)



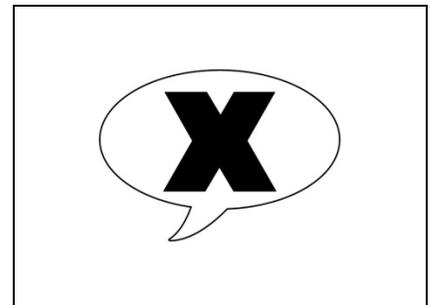
People as a whole



Picking up trash, Community service



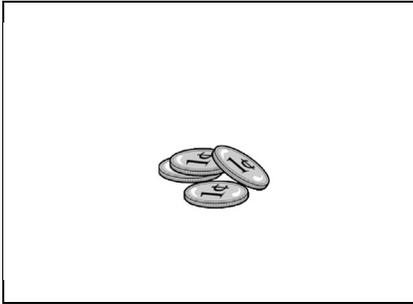
Political parties



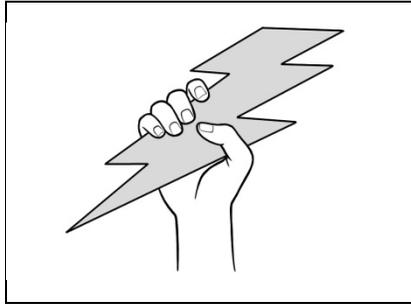
Poor communication\*

\*Indicates the term has more than one possible picture representation.

**Social Studies**



Poverty\*



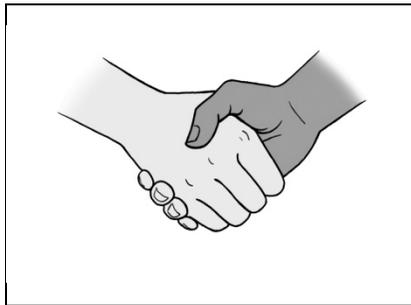
Power



Profit\*



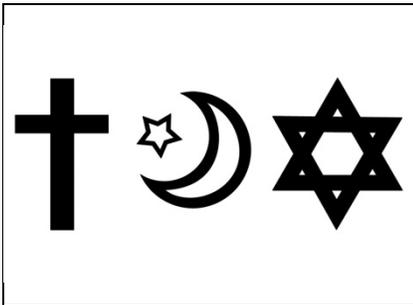
Prohibition



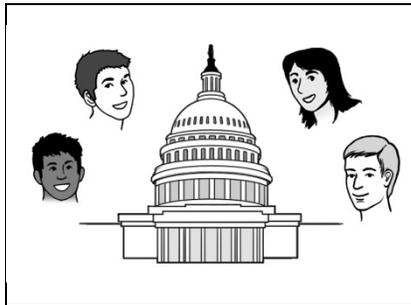
Racial equality\*



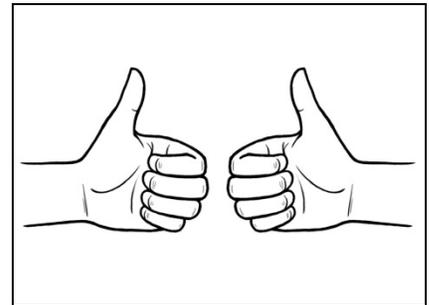
Registering for the military



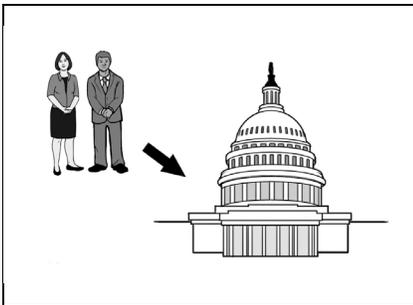
Religion



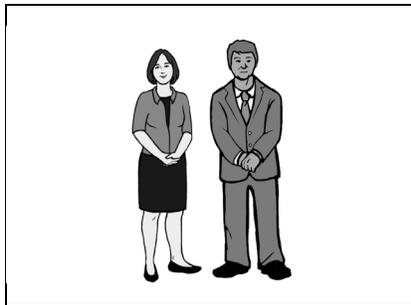
Representative government



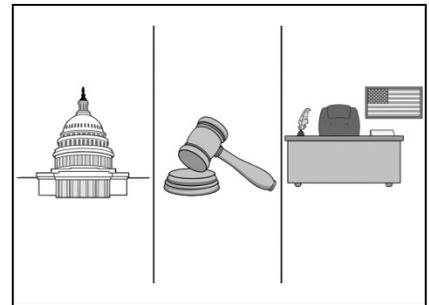
Resolution\*



Senate\*, Senators\*  
(example - Federal)



Senators\*, Representatives\*



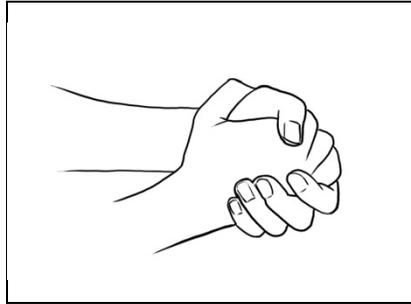
Separate power

\*Indicates the term has more than one possible picture representation.

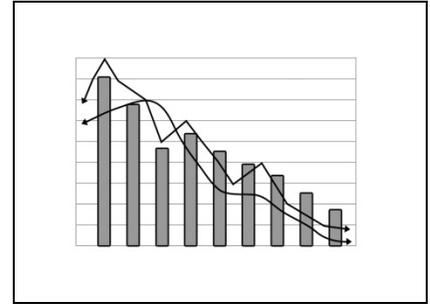
## Social Studies



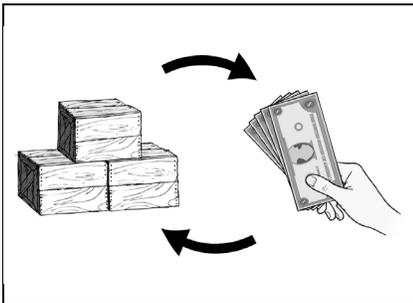
Settle disagreements\*



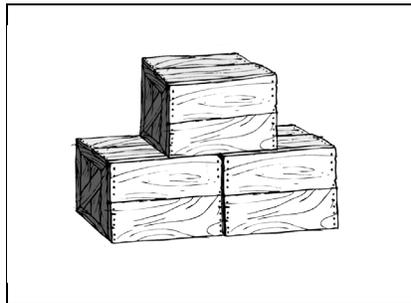
Sorry, Plead



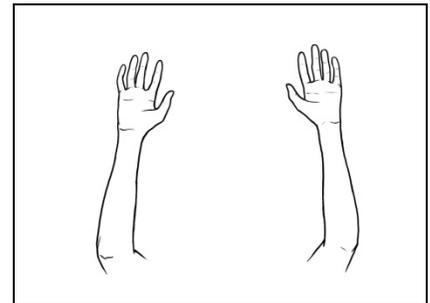
Stock market crash,  
Poor economy\*



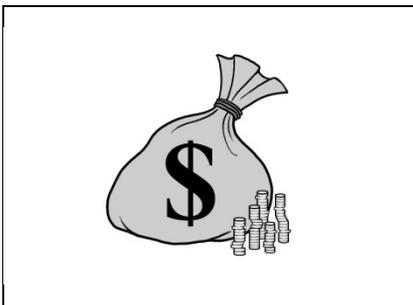
Supply and demand



Supply



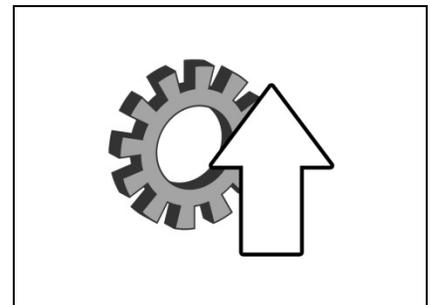
Surrender



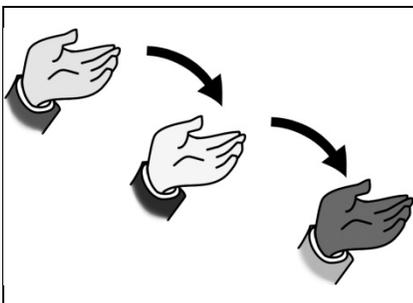
Tax\*



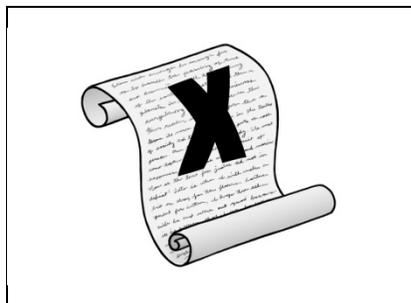
Tax\*



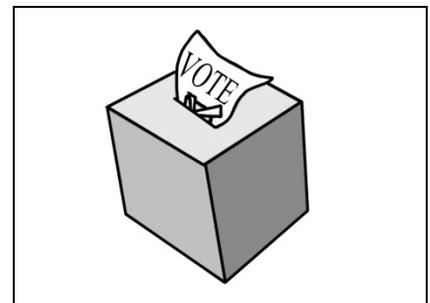
Technology advance



Tradition



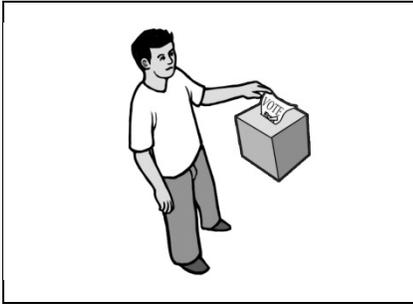
Veto bill



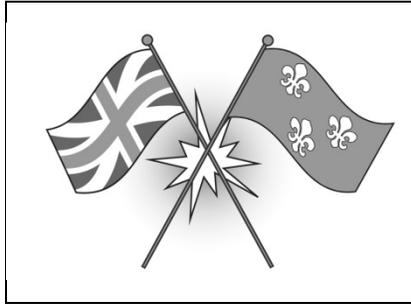
Voting\*

\*Indicates the term has more than one possible picture representation.

## Social Studies



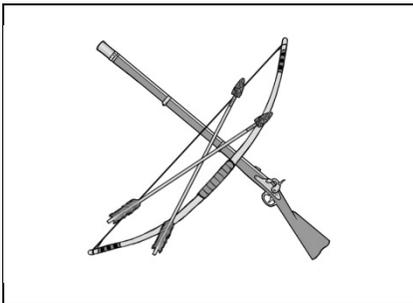
Voting\*



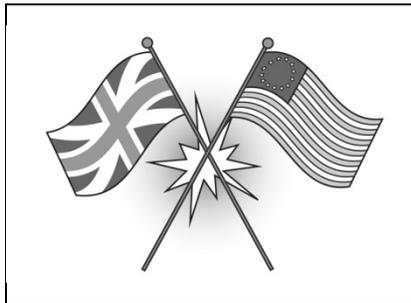
War (British v French)



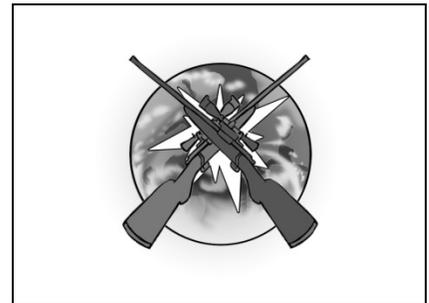
War (Civil War)



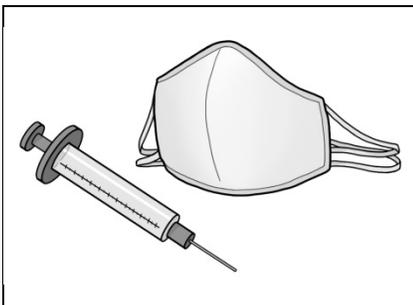
War (French and Indian)



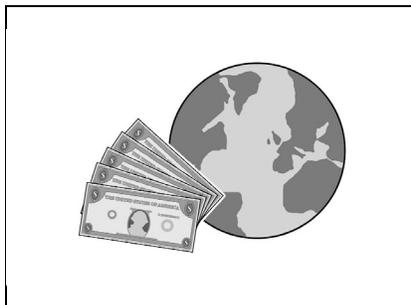
War (Revolutionary)



War (WWII)



Widespread disease



World economy

\*Indicates the term has more than one possible picture representation.