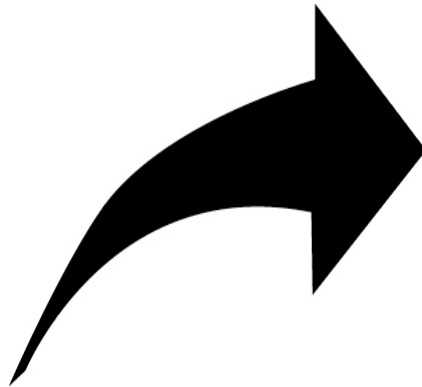


Start now to end the school year with beginnings!



Community School Resources Polk Bros. Foundation Center for Urban Education

Action Plan	p. 2
Exhibit Learning	p. 3
Reading Resources	p. 6
Math Resources	p. 7
Science Resources	p. 15

More Resources:

Go to **Teacher.depaul.edu** for family and independent learning activity guides in English and Spanish.

Go to Chicago City of Learning – **<https://chicagocityoflearning.org>**-- for museums, parks, zoos, sources for summer learning activities.

Action Plan

List events, projects, activities that will help students recognize their progress, plan summer learning, connect school to home so that parents share the success.

What	When

Examples

- Turn the bulletin board into an exhibit of learning progress.
- Family Friday—end the school year with family activity fair.
- Teachers and extended day programs introduce/expand independent learning activities students can continue during summer—including “make and take” games
- Organize Summer Plus day—resource fair for families.
- Put links to online activities on agency and school websites.
- Use <https://chicagocityoflearning.org/> to organize activities.
- ...



Make the Bulletin Board into an Exhibit of Learning Progress

Common Core Anchor Writing Standard 2 Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

We learned a lot this school year!



We are Chicago's Future

Create a booklet or exhibit in which you show the values and competencies that you bring to Chicago's future. You can use this graphic or another symbol to show that you will expand Chicago's possibilities.

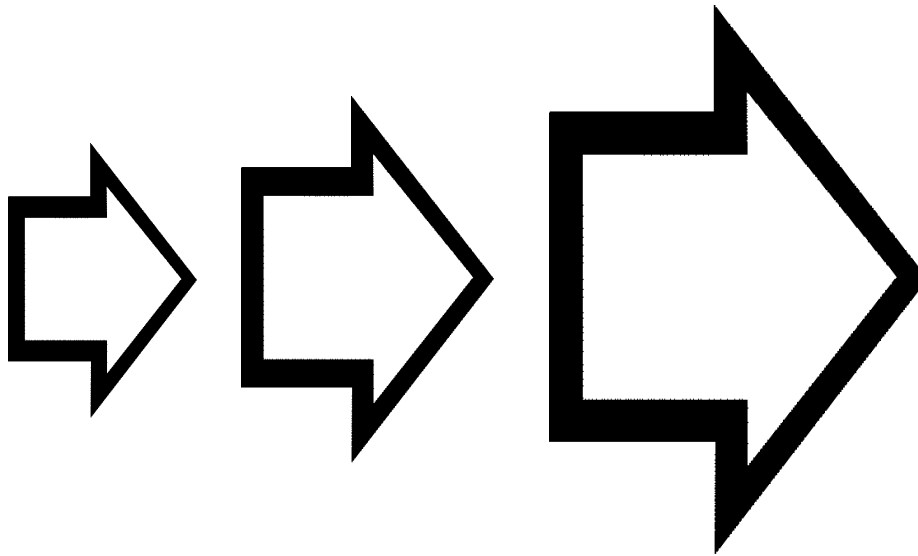




Exhibit Example—students add illustrations or symbols to represent the words. Choose any area of science to feature in an exhibit students construct with words and illustrations.

We are Chicago's future environmental scientists!

ecosystem

balance

adaptation

interdependence

food chain

food web

water cycle



Questions to Take Home to Read More—and Watch TV!

The following diagram includes standards-based questions.

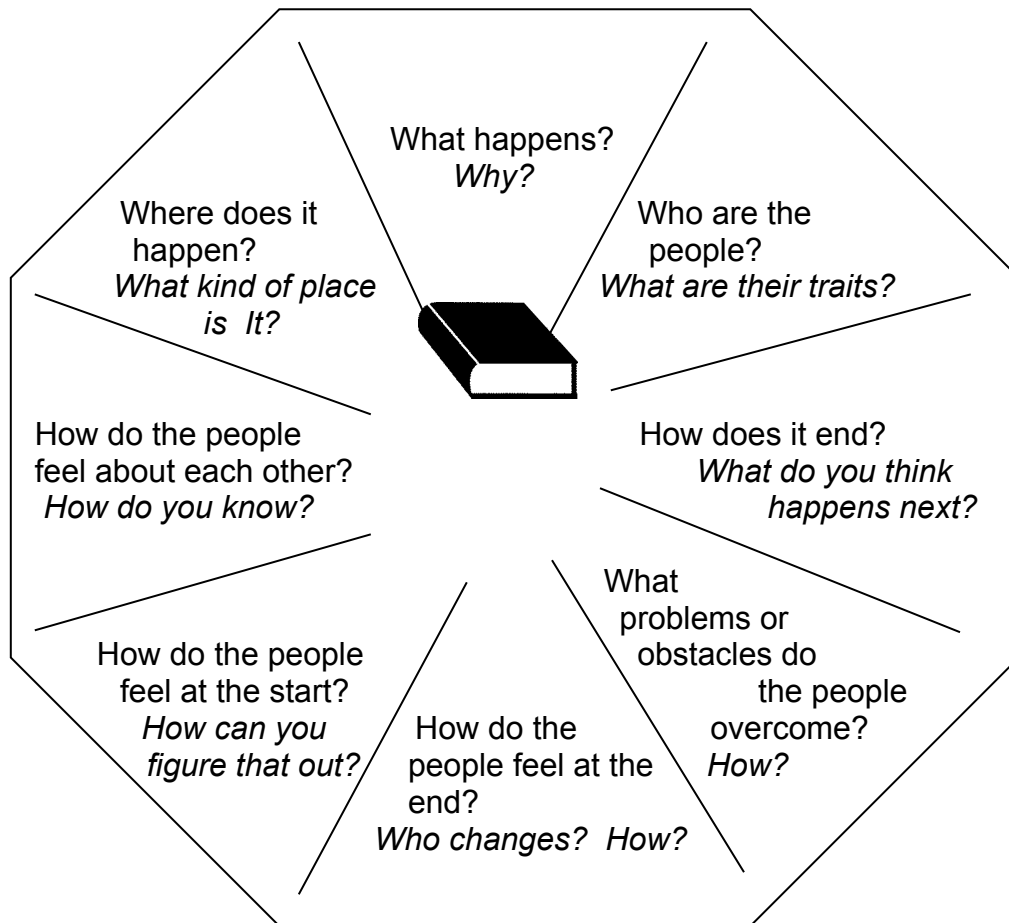
They are good questions to ask about any story—even stories on TV!

Choose a story.

Read it and talk about answers to these questions.

Or watch the story on TV.

During the commercials, turn off the sound, talk about these questions.





Choose an activity you want to do!

Activities for informal learning at school and at home.

Learning starts with liking!

Choose an interesting way to think about what you read.

1. Advertisement for a book or a genre
2. Autobiography (fictional but realistic) or a character
3. “Before and After” portrait of a character representing changes
4. Biography of a character or real person, with illustrations
5. Cause, effect, indirect effects diagram
6. Debate
7. Dialogue (add to a story or historical event)
8. Diary of a character
9. Draw the setting
10. Exhibit about a time period/context
11. Figurative language list with illustrations
12. Graphic organizers with icons instead of or in addition to words
13. Hats for characters that communicate their traits
14. Illustrations for poems or stories
15. Journal that a character might have written
16. Letter—from a character to another, from you to the writer, from ... to ...
17. “Map” a story
18. Nonfiction reader’s guide
19. Novel reader’s guide
20. Poem about or “by” a character or to communicate theme
21. Poet’s Toolkit—technique list with examples
22. Questions based on a reading
23. Resume of a character
24. Song based on a story
25. Story Reader’s Guide—how to read a story
26. Story Writer’s Guide—how to write a story
27. Symbol for a character or a theme
28. Timeline for a story—with pictures showing significant events
29. Unpoem—restate a poem in a paragraph
30. Venn diagram to compare and contrast literature or nonfiction
31. Web diagram to represent a theme—including symbols or drawings
32. Write the next part of the story



Story/History Reader

Common Core Anchor Reading Standard 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Draw two persons who are in it. Show their traits in your pictures.



Show the most important event.



Write a caption for your picture.

What is the lesson or theme people can learn from the story?

THINK MORE: Write or draw the next part!

Free Valuable Online Reading Resources

25 Activities for Reading and Writing Fun (Reading Rockets Web Site)

<http://www.readingrockets.org/article/392/>

"Fun" is the key word in this selection of 25 reading and writing activities for families with children (infants to sixth grade).

Between the Lions

<http://pbskids.org/lions/index.html>

This website is designed for parents and kids to surf together. Stories from the popular PBS show are posted online with links to associated games.

International Children's Digital Library (ICDL)

<http://en.childrenslibrary.org/>

Currently, the collection includes materials donated from 27 cultures in 15 languages.

Character Scrapbook (K-8)

Children can analyze the characters in any book, as well as print and collect scrapbook pages.

<http://teacher.scholastic.com/activities/scrapbook/index.htm>

Let the Show Begin! Literary Talent Show (Grades K-6)

Children choose their favorite songs, poems, or stories to act out in a talent show for friends and family.

<http://www.readwritethink.org/parent-afterschool-resources/activities-projects/show-begin-literary-talent-30609.html>

Share What You're Reading (Grades 1-12)

Share what you are reading with other students and discover new books

<http://teacher.scholastic.com/activities/swyar/index.asp>

Library in the Sky

<http://www.libraryinthesky.org/>

Containing over 15,000 links to educational resources on the Internet, this site guides teachers, students, parents, librarians, and members of the community on their journeys through cyberspace.

RIF Reading Planet

<http://www.rif.org/kids/readingplanet.htm>

RIF Reading Planet is a place where kids and families come together to explore the world of books. Grown-ups can browse through a universe of activities and ideas for motivating kids to read. Kids can post reviews of favorite books and participate in interactive games and activities.

Word Central

<http://www.wordcentral.com/>

Merriam-Webster's site just for kids features the "Daily Buzz Word", spelling bee quizzes, student dictionaries, and "Build Your Own Dictionary."

NO-COST HIGH INTEREST MATH ACTIVITIES

<p>Make a math picture glossary. Write the important words of math. Then for each word, draw a picture showing what it means.</p>	<p>Make a budget. Start with the total amount for one week. Then list what you need to pay for. Figure out what you have left—can you save money this week?</p>	<p>Make a math multiple choice question. Make it challenging!</p>	<p>Make up a math game. To win the game, you need to know math facts. You can play the game as a card game or as a board game.</p>
<p>Write a Number Diary. What's That? You're a Number (pick any number). Tell what happens to you during a day.</p>	<p>Make a measurement list. Measure anything and record its dimensions. First, estimate its size. Then check your estimate.</p>	<p>Tell what you would buy if you had \$100. Figure out what everything would cost and how much you would have left after you bought things.</p>	<p>Write a page in a math textbook. Explain the math. Then give an example. Then ask a question.</p>
<p>Invent a number game. Write the rules to the game. Then play it.</p>	<p>Make a fraction book. Write about what a fraction is, how people use them, and how people can add and subtract them.</p>	<p>"Play store"—choose a kind of store—shoes, food, even a restaurant. Make up the prices. Give your customers play money. See what they buy and what your profit is.</p>	<p>Make a sports scores graph. Then explain what your graph tells about the way the teams are playing this season.</p>
<p>Make a Math Number Connector. What's that? You take one number and put it in the center of a page. Then write the number combinations that would make that number. For example, what are five ways to make a five?</p>	<p>Design a math museum. What will your exhibits include?</p>	<p>Paper Airplane Math Make a paper airplane. See how far it flies. Then change one measurement at a time; its weight, length, or width. See how those changes affect how far it goes.</p>	<p>Design a birdhouse. Use your measurement and geometry skills. If you can, build it!</p>

Choose a job, figure out how much you would earn.

The first column lists **some** of the **many kinds of jobs** in the Chicago area. Column 2 lists **the number of jobs in the Chicago area** in each field in 2014. Column 3 lists the hourly wage. *To get information about these jobs and many more, go <http://www.bls.gov/ooch/a-z-index.htm>*

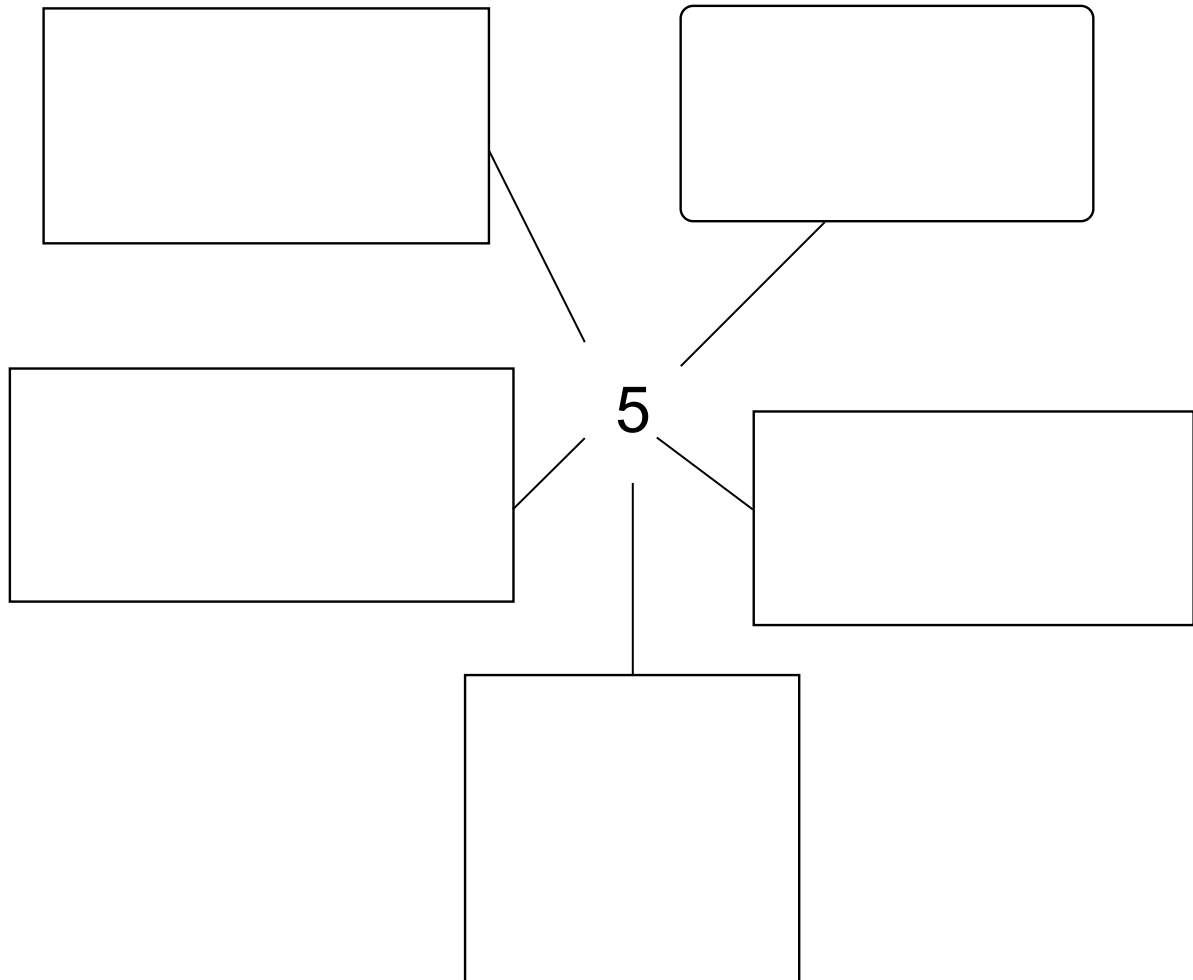
KINDS OF JOBS	Number of Chicago Jobs	Hourly Wage
Aerospace Engineers	230	\$45.84
Anesthesiologists	1,310	\$94.26
Arbitrators, Mediators, and Conciliators	200	\$36.78
Architects	3,140	\$35.12
Audio and Video Equipment Technicians	2,090	\$19.90
Bookkeeping, Accounting, and Auditing Clerks	34,270	\$19.31
Broadcast Technicians	740	\$19.83
Camera Operators, Television, Video, and Motion Picture	660	\$27.71
Chemists	1,700	\$34.97
Child, Family, and School Social Workers	9,430	\$26.42
Choreographers	40	\$24.20
Clergy	1,180	\$20.04
Clinical, Counseling, and School Psychologists	3,040	\$31.61
Community Health Workers	1,870	\$18.31
Computer Network Support Specialists	4,290	\$30.58
Computer Programmers	16,480	\$36.41
Computer User Support Specialists	13,790	\$25.25
Customer Service Representatives	74,600	\$18.06
Dancers	420	\$19.31
Dental Hygienists	4,660	\$33.99
Dentists, General	2,550	\$62.86
Dietitians and Nutritionists	1,330	\$24.82
Editors	3,340	\$26.31
Electrical and Electronics Drafters	420	\$28.44
Electrical Engineers	3,220	\$43.03
Emergency Medical Technicians and Paramedics	8,570	\$28.20
Environmental Engineers	820	\$38.70
Film and Video Editors	570	\$26.89
Food Preparation and Serving	345,110	\$10.47-21.47
Forensic Science Technicians	320	\$38.85
Health Educators	1,190	\$25.63
Healthcare Social Workers	2,760	\$24.42
Hotel, Motel, and Resort Desk Clerks	4,080	\$11.54
Interpreters and Translators	1,420	\$16.94



Five Ways to Make a Five

CCSS Math Practice Standard 2. Reason abstractly and quantitatively.

Task: Use the math you know to show five different ways to make equations that result in 5.





SMART PACK

A SMART Pack is a page you cut into pieces and then use as flash-cards or to play matching games or card games. The more time you take to work with these pieces, the more you know them.

No Cost High Interest Math Resources

Primary Games from Public Television <http://pbskids.org/games/math/>

Math Games for Grades 3-5 <http://pbskids.org/cyberchase/math-games/>

Activities for After-School Programs from the Exploratorium

<http://www.exploratorium.edu/education/publications/math-explorer>

Great games to practice math facts. <http://www.maths-games.org>

Math Hunt

With the help of the character “Number Cruncher” scour the web to find social studies and science information to help crack math problems.

<http://teacher.scholastic.com/mathhunt/>

Math Maven’s Mysteries

Use math to help crack open mystery cases <http://teacher.scholastic.com/maven/>

Around the World in 80 Seconds

Help Maggie fly around the world. Pick addition, subtraction, multiplication, division or a mix of all four. Each question answered correctly gets Maggie to her next stop.

<http://teacher.scholastic.com/activities/adventure/math2.htm>

Dude’s Dilemma

Help rescue Maggie's dog, who is trapped on a rooftop! You can rescue him by answering a few math questions.

<http://teacher.scholastic.com/activities/adventure/math1.htm>

Primary Krypto

Use five number cards and arithmetic operations to create the "target" number in this fun math game.

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=173>

Times Table

Practice multiplying single-digit numbers with this interactive multiplication table.

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=155>

Vector Investigation: Boat to the Island

Adjust the magnitude and direction of a velocity vector to "drive" a boat.

<http://illuminations.nctm.org/Activity.aspx?id=3536>

Turtle Pond

Estimate length and angle measure while guiding a turtle to a pond.

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=83>



How would you improve things with science?

Each of these inventions met a need.

Scientists improved the way people could meet it.

What do you think the scientists thought about to make these improvements?

1900 the first tractor	1926 liquid-fueled rockets
1902 the polygraph machine	1928 bubble gum
1902 the air conditioner	1928 penicillin
1902 neon light	1929 the car radio
1903 the first gas motored and manned airplane	1930 scotch tape
1903 crayons	1930 the frozen food process
1904 teabags	1931 the electron microscope
1906 cornflakes	1932 Polaroid photography
1906 sonar	1933 frequency modulation (FM radio)
1907 color photography	1935 nylon
1908 cellophane	1937 the photocopier
1910 the first talking motion picture	1937 the turbo jet
1911 the automobile electrical ignition system	1938 Teflon
1913 stainless steel	1938 the ballpoint pen
1923 the iconoscope (cathode ray tube)	1939 the first successful helicopter
1923 the traffic signal	

Design a better ...

- Airplane
- Automobile
- Mousepad
- Computer mouse
- _____

What kinds of changes would make it better?

What is your design? Make a blueprint or plan to make that progress.

Online Science Learning Resources

The Franklin Institute Online

Science activities for children 5-12 years of age

<http://www.fi.edu/tfi/activity>

The Magic School Bus Science Activities

Live virtual field trips and science kits

<http://www.scholastic.com/magicschoolbus/index.htm>

Natural Inquirer

Scientists report on their research, for Grades 6-8

<http://www.naturalinquirer.org/>

Try Science

At-home science activities for children and families

http://www.tryscience.org/parents/se_1.html

Zoom Activities from PBS

Science games and experiments

<http://pbskids.org/zoom/activities/sci>

Biodiversity, from the American Museum of Natural History

Games and activities to help students learn about biodiversity

<http://www.amnh.org/ology/index.php?channel=biodiversity>

Build a Plane Challenge

You will be asked to make 3 decisions on building an airplane, just like Wilbur and Orville Wright.

<http://teacher.scholastic.com/activities/flight/wright/build.htm>

Pendulum

Explore this virtual pendulum and make it swing.

<http://pbskids.org/zoom/games/pendulum/>

Climate Change, from the American Museum of Natural History

Games and activities to help students learn about climate change

<http://www.amnh.org/ology/index.php?channel=climatechange>

Dinosaurs!

Learn, write, and take quizzes about dinosaurs

<http://teacher.scholastic.com/activities/dinosaurs/index.htm>

Endangered Ecosystems

Learn about endangered ecosystems, build a food web, build a caterpillar, and more

<http://teacher.scholastic.com/activities/explorer/ecosystems/index.htm>