Manchester Academic Charter School
Kindergarten
Priority Standards and Content for Mastery
English-Language Arts

Kindergarten

Foundational Skills

1. Demonstrate understanding of the organization and basic features of print.
   a. Follow words from left to right, top to bottom and page by page
   b. Recognize spoken words are represented in written language by specific sequences of letters
   c. Understand that words are separated by spaces in print
   d. Recognize and name all upper and lower case letters of the alphabet
2. Demonstrate understanding of spoken words, syllables and sounds (phonemes).
   a. Recognize and produce rhyming words
      i. Poetry and rhyme practice and fill in the blank
   b. Count, produce, blend and segment syllables in a spoken words
   c. Blend and segment onsets and rimes of single-syllables in spoken words
   d. Isolate and pronounce the initial, medial vowel and final sounds in CVC words (not including words ending in l, r, or x)
   e. Add or substitute individual sounds in simple one-syllable words to make new words
3. Know and apply phonics and word analysis skills in decoding words.
   a. Demonstrate basic knowledge of one-to-one letter sound correspondences by producing the primary sound or many of the most frequent sounds for each consonant
   b. Associate long and short sounds with common spellings for the five major vowels
   c. Read common high-frequency words by sight
   d. Distinguish between similarly spelled words by identifying the sounds of the letters that differ

Reading Literature

4. With prompting, ask and answer questions about key details in a text.
5. With prompting and support, retell familiar stories, including key details.
   a. Change some story events and provide a different story ending
6. With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories. (see attachment Appendix A)
   a. Make personal connections to events
Reading Informational Text.

7. With prompting, ask and answer questions about key details in a text.
   a. Answer “why” questions that require recognizing cause/effect relationships
8. With prompting and support, identify the main topic and retell key details of a text.
9. With prompting and support, identify basic similarities in and differences between two texts on the same topic.

Writing

10. Use a combination of drawing, dictation and writing to compose informative/explanatory texts in which the student names what they are writing about and supplies information about the topic.
11. Use a combination of drawing, dictation and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened.

Language

12. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
   a. Print many upper and lower case letters
   b. Use frequently occurring nouns and verbs
   c. Form regular plural nouns orally by adding /s/ or /es/
   d. Understand and use question words
   e. Use the most frequently occurring prepositions
   f. Produce and expand complete sentences in shared language activities
13. Demonstrate command of the conventions of standard English capitalization, punctuation and spelling when writing.
   a. Capitalize the first word in a sentence
   b. Recognize and name end punctuation
   c. Write a letter or letters for most consonant and short-vowel sounds
   d. Spell simple words phonetically, drawing on knowledge of sound-letter relationships

Vocabulary

14. Determine or clarify the meaning of unknown and multiple meaning words and phrases based on Kindergarten reading and content.
   a. Identify new meaning for familiar words and apply them accurately (ie. Duck)
   b. Use the most frequently occurring inflections and affixes as a clue to the meaning of an unknown word
15. With guidance and support from adults, explore word relationships and nuance in word meanings. *(See Appendix B)*
   a. Sort common objects into categories to gain a sense of the concepts the categories represent
   b. Demonstrate understanding of frequently occurring verbs and adjectives by relating them to their opposites
   c. Identify real-life connections between words and their use
   d. Distinguish shades of meaning among verbs describing the same general actions by acting out the meanings

**Production of Writing**

16. With guidance and support from adults and peers, respond to questions and suggestions from peers, and add details to strengthen writing as needed.

**Research**

17. With guidance and support, explore a variety of digital tools to produce and publish writing in collaboration with peers.

**Speaking**

18. Speak audibly and express thoughts, feeling and ideas clearly.
   a. Participate in conversation over four to five turns, staying on topic, initiate or respond to topics

***Students should be able to write at least three complete sentences with a beginning, middle and end.***
Mathematics

Kindergarten

Numbers and Operation

1. Count to 100 by 1s and 10s.
2. Count forward from a given number up to 30 without starting at 1.
3. Know number names to 100, know how to write numbers to 20, and know number symbols to 29.
4. Apply one-to-one correspondence to count the number of objects up to 20.
5. Identify whether the number of objects in one group is greater than the other; compare 2 number symbols up to 10.
6. Use place value to compose and decompose numbers within 19; understand that these numbers are composed of ten ones and another number 0-9 (ie. 18=10+8).

Algebraic Concepts

7. Extend concepts of putting together and taking apart to add and subtract within 10.
   a. Join objects together to show addition, separate objects to show subtraction in more than one way
8. Identify and describe two- and three- dimensional shapes.
9. Analyze, compare, create and compose two- and three- dimensional shapes.

Measurement, Data and Probability

10. Describe and compare attributes of length, area, weight and capacity of everyday objects.
11. Classify objects and count the number of objects in each category.
12. Identify pennies, nickels, dimes and quarters and use $ and ¢ symbols.
Science

Kindergarten

The Nature of Science

1. Identify a scientific fact as something that can be observed using five senses.
2. Describe how technology can help people (home appliances, phones, computers, transportation).
3. Understand that making a change to an investigation may change the outcome(s) of the investigation; Describe outcomes of an investigation.
   a. Magnetism: Everyday use of magnets
   b. Classify materials as attracted or not attracted by a magnet
4. Identify simple tools that can be used in an investigation (e.g., measuring cup, hand lens, ruler, balance scale, thermometer).
   a. Daily weather
5. Describe a system as being made of multiple parts that work together.

Biological Sciences

7. Describe the differences between living and non-living things.
   a. What plants need to grow, parts of a plant, flowers and seeds
8. Compare young animals to their parents and other animals of the same kind.
9. Explain that the five senses are the main human senses and how they keep us safe.
10. Explain the process of farming crops.
    a. Weeds and pesticides
    b. Crops are harvested and transported to the grocery store
11. Describe changes due to the climate and changes plants and animals go through during the seasons.
    a. Local weather pattern
    b. Clouds, rainfall, thunderstorms: thunder and lightning, snow

Chemistry

12. Compare different types of material and their uses; how matter changes; everything is made of matter.
13. Describe the ways matter can change.

Physics

14. Describe how temperature affects the body.
15. Explain how light from the sun is an important source of energy for living and nonliving things; source of light and warmth.
Earth and Space Sciences

16. Distinguish rocks, soil and sand.
17. Water sources for human use.
18. Conservation: some natural resources are limited; recyclable materials, pollution.

Famous Scientists

19. George Washington Carver
20. Jane Goodall
21. Wilbur and Orville Wright
Social Studies

Kindergarten

Civics

1. Purpose of and need for rules; Classroom responsibilities; Respect for others and self-respect.
   a. Responsibilities at school; responsible classroom behavior.
   b. Problems and solutions; Conflict and how to work together.
   c. Role of adults in authority at home and school.
2. Roles of firefighters, police and emergency workers.

Geography

3. Read a map of a familiar place. Describe the location of places at home, in school or community.
   a. Name and locate city, state, country
   b. Use and make a simple map (classroom, home, school or treasure hunt)
   c. Locate two oceans
   d. How rivers, lakes and mountains are represented on maps and globes
   e. Identify land and water forms
   f. Identify and locate the seven continents on a map and globe

United States History

4. How cultures celebrate; American holidays and symbols and the people related to them.
   a. Thanksgiving
   b. Winter holidays around the world
   c. July 4, Independence Day
5. Native American People: One Native American Tribe from the area
   a. How they lived: ate, dressed, homes, beliefs and stories, current status of the tribe
6. Early exploration and Settlement
   a. Voyage of Christopher Columbus; Spain, Nina, Pinta, and Santa Maria; Indies and Indians; “New World” for Europeans
7. Presidents
   a. George Washington
   b. Thomas Jefferson
   c. Abraham Lincoln
   d. Theodore Roosevelt
   e. Barack Obama
   f. Current president
8. Symbols and Figures
a. American flag
b. Statue of Liberty
c. Mount Rushmore
d. The White House
Appendix A
Books and Stories Suggestions

The Bremen Town Musicians
Chicken Little
Cinderella
Goldilocks and the Three Bears
How Many Spots does a Leopard Have?
King Midas and the Golden Touch
The Legend of Jumping Mouse
The Little Red Hen
Momotaro: Peach Boy
The Three Billy Goats Gruff
The Three Little Pigs
A Tug of War
The Ugly Duckling
The Velveteen Rabbit
The Wolf and the Kids

Aesop Fables
The Lion and the Mouse
The Grasshopper and the Ants
The Dog and His Shadow
The Hare and the Tortoise

Tall Tales and American Folktales

Johnny Appleseed
Casey Jones
Appendix B
Phrases and Sayings

A dog is man's best friend.
April showers bring May flowers.
Better safe than sorry.
Do unto others as you would have them do unto you.
The early bird gets the worm.
Great oaks from little acorns grow.
Look before you leap.
A place for everything and everything in its place.
Practice makes perfect.
[It's] raining cats and dogs.
Where there's a will there's a way.