

CENTER POINT-URBANA MIDDLE SCHOOL

Sixth Grade Core Curriculum Guide

CONTENTS:

- Reading and Language Arts
- Mathematics
- Science
- Social Studies
- Physical Education

URBANA-CENTER POINT MIDDLE SCHOOL

READING EXPECTATIONS

6TH GRADE READING - Students will . . .

WORD ATTACK SKILLS

1. Determine the definition, various meanings, and structure of content-specific vocabulary by using syntax (parts of speech), context clues, and phonetics.

REFERENCE MATERIALS

2. Demonstrate the ability to use glossaries, dictionaries, and indexes.

COMPREHENSION

3. Distinguish between statements of fact and opinion.
4. Sequence events.
5. Follow a series of written directions in a written text.
6. Determine the stated or implied main idea and supporting details in text.
7. Read for literal comprehension.
8. Paraphrase and summarize information from a variety of written works.
9. Identify cause and effect.

INFORMATIONAL TEXT

10. Interpret visual information, for example: maps, lists, flowcharts, graphs, tables, charts, diagrams, and timelines.

LITERARY TEXT

3. Identify literary elements such as character, plot, and setting.

MATHEMATICS EXPECTATIONS AND CURRICULUM

6TH GRADE MATH - Students will . . .

DIVISION

1. *Divide by multiples of 10 and 100.*
2. *Divide by a multi-digit divisor.*

FRACTIONS

3. *Change improper fractions to a mixed number.*
4. *Compute equivalent fractions.*
5. *Compute fractions into simplest forms.*
6. *Identify common denominators.*
7. *Add and subtract unlike denominators.*
8. *Change mixed numbers to improper fractions.*

DECIMAL CONCEPTS AND OPERATIONS

11. *Divide a decimal by a whole number.*
12. *Divide a decimal by a power of ten.*
13. *Divide a decimal by a decimal.*
14. *Round decimals to given place.*
15. *Multiply a decimal by a whole number.*
16. *Multiply a decimal by a power of ten.*
17. *Multiply a decimal by a decimal.*

ESTIMATION, MENTAL MATH, THINKING

18. Order of operations
19. *Estimate sums and differences by using adjusted front end.*
20. *Apply rounding to estimation of answers.*
21. *Substitute compatible numbers when estimating division.*
22. *Estimate using clustering.*

GEOMETRY

23. Identify plane figures: trapezoids, rhombus, parallelogram
24. Identify sides and corners/ vertices
25. Identify points, lines, line segments, rays, planes and angles
26. Identify parallel and perpendicular lines
27. Identify circles and parts of circles such as: radius, diameter, circumference
28. Identify obtuse, acute, right and straight angles
29. Identify irregular and regular polygons

30. Compute the circumference and area of circles

31. Identify prime and composite numbers up to 100

32. *Identify parallelograms.*

33. *Compute the perimeter and area of polygons.*

MEASUREMENT

34. *Choose appropriate customary unit of length to measure objects.*

35. *Choose appropriate capacity unit of measurement.*

36. *Know the following conversions: 4 qts = 1 gal. 2 pts = 1 qt, and 2 cups = 1 pint.*

37. *Choose appropriate units to measure weight.*

38. *Know the following customary unit: 1 mile = 5280 ft.*

DATA AND GRAPHS

39. *Make line plots.*

40. *Read circle graphs.*

41. Frequency distribution

URBANA-CENTER POINT MIDDLE SCHOOL

SCIENCE CURRICULUM

6TH GRADE SCIENCE – Students will . . .

SCIENTIFIC INQUIRY

1. Identify questions that can be answered through scientific investigations.
2. Conduct a scientific investigation.
3. Develop descriptions, explanations, predictions and models using evidence.

LIFE SCIENCE (Living Organisms and/or Ecosystems)

4. Understand the nutritional benefits and basic chemistry of a variety of common foods.
5. Be able to conduct scientific investigations of the nutrients found in foods.

PHYSICAL SCIENCE (Matter, Energy, Forces, Motion)

6. Apply the physics of motion to technological design.
7. Understand the phenomenon of buoyancy and density
8. Plan, conduct and document scientific experiments with liquids.

EARTH AND SPACE

9. Understand the chemical and biological attributes of water.
10. Describe how water travels through a landscape and cycles through the environment.
11. Explores why clean drinking water is an essential for survival, the different sources we draw drinking water from, and the threats to drinking water.
12. Understand the types of pollutants found in water.

SOCIAL STUDIES CURRICULUM

6th Grade Social Studies Curriculum – Ancient Civilizations; Latin America

GEOGRAPHY

1. Locates major physical and political features of the areas of the world under study (Mesopotamia, Egypt, China, Central America, Latin America)
2. Finds locations using latitude and longitude
3. Demonstrates use of physical, political, and historical maps
4. Explore the positive and negative impact of human interaction with ecosystems (i.e., clearing forest, draining wetlands and practicing soil conservation).
5. Compares the time zones of the world
6. Uses information from historical maps
7. Demonstrates use of scale on maps
8. Identifies countries and major landforms found in Central and Latin America.

ANCIENT HISTORY

9. Understand about the depths of time and uncover clues to our past.
10. Understand how societies began and how they were developed.
11. Understand life in Mesopotamia: the history of the land between two rivers and its cultures.
12. Understand the history of the Nile and the rich Egyptian culture.
13. Understand characteristics of Ancient China.
14. Understand characteristics of Ancient India.

EARLY LATIN AND CENTRAL AMERICAN CIVILIZATIONS: MAYANS, AZTECS, INCANS

15. Identifies of the basic geographic features of the Mayan, Incan, and Aztec Civilizations
16. Explains some of the basic characteristics of the Mayan, Aztec, and Incan cultures (such as arts, architecture, technology, religion, economy, and government)
17. Explains trade and its influence
18. Reads uses timelines (BC/AD, BCE/CE)
19. Identifies contemporary role of the Mayans, Aztec, and Incans civilizations in modern Central and Latin American civilization
20. Compares characteristics of early Mayan, Aztec and Incan civilizations to geographic, political, and cultural life in contemporary Central and Latin America

URBANA-CENTER POINT MIDDLE SCHOOL

PHYSICAL EDUCATION CURRICULUM

6th Grade Physical Education - Students will . . .

1. Learn basic skills for each activity.
2. Learn basic rules necessary to participate in each activity.
3. Develop coordination and ability through participating in each activity.
4. Develop cardio respiratory fitness through a variety of exercises.
5. Develop interpersonal relationships and work cooperatively with other students

