

As a result of their eighth-grade experience, students will:

Reading

1. Master oral fluency using modulation of voice inflection, tempo and enunciation
2. Apply active reading strategies independently to analyze various fiction and non-fiction selections
3. Expand vocabulary understanding and usage of figurative, idiomatic and technical meanings of terms through context
4. Expand vocabulary understanding and usage through the study of Greek and Latin etymologies
5. Analyze and compare plot elements, purpose and characteristics of various genres
6. Demonstrate mastery of literary elements and techniques in various genres that include an appreciation of various cultures, eras and ideas
7. Analyze author's style and the use of literary devices including idioms, hyperbole, dialect, dialogue, onomatopoeia, allusion and assonance
8. Analyze information gained from reading material and present results using a variety of media including technology
9. Analyze text through written extended response

Language Arts

1. Use the writing process to compose coherent grade-level essays in all subject areas: expository, narrative and persuasive
2. Identify and use simple, compound, complex and compound/complex sentences
3. Identify and use varied sentence patterns
4. Identify appositive and infinitive phrases
5. Apply the eight parts of speech correctly in all written communication
6. Spell level 8 high-frequency words correctly in daily written work
7. Identify and effectively employ the following elements of public speaking: pitch, volume, duration, dialect, nonverbal cues and delivery
8. Extrapolate important information from classroom lectures and discussions and paraphrase in note form
9. Produce a relevant, content-based research product that includes a bibliography

Mathematics/Algebra

1. Add, subtract, multiply and divide fractions, mixed numbers and decimals
2. Add, subtract, multiply and divide integers
3. Solve problems using ratios, proportions and percents
4. Determine a number's percentage of increase or decrease
5. Calculate interest
6. Classify triangles, quadrilaterals and polygons
7. Identify angle relationships
8. Calculate area of triangles, quadrilaterals and circles
9. Figure surface area of prisms, cylinders, pyramids and cones
10. Identify and apply algebraic properties
11. Simplify positive and negative exponents
12. Translate algebraic expressions, equations and inequalities
13. Simplify and/or solve algebraic expressions, equations and inequalities
14. Solve multi-step equations and inequalities
15. Solve equations with variables on both sides
16. Write linear equations in slope-intercept form
17. Graph equations and systems of equations
18. Graph inequalities
19. Use squares and square roots in applying the Pythagorean theorem
20. Add and subtract polynomials
21. Multiply and divide monomials
22. Identify and extend geometric and arithmetic sequences
23. Determine probability of dependent and independent events
24. Evaluate and apply measures of central tendency
25. Solve word problems using a variety of problem-solving strategies appropriate to grade level
26. Understand and apply grade-appropriate math vocabulary

Science

1. Identify and control variables in safe laboratory situations
2. Independently design, implement and report laboratory experiments in written/oral format
3. Demonstrate the relationship among the properties and characteristics of waves

4. Distinguish properties that control the quality of sound
5. Explain images formed using different lenses and mirrors
6. Classify matter based on its properties and predict whether imposed changes will result in chemical or physical changes
7. Compare and contrast the properties of elements, compounds and major classes of mixtures
8. Use the periodic table to predict properties, valence and type of bonding for any element
9. Demonstrate the relationship between elements and compounds as they relate to the structure of the atom
10. Explain molecular formulas for various compounds and solutions
11. Interpret and classify examples of the four types of chemical reactions
12. Distinguish between the distinctive properties of acids, bases and salts

Social Science

1. Identify and locate the cities, countries and major physical and cultural features of the United States and Canada, Latin America, Africa, Europe, the Middle East, Asia and Australia/New Zealand
2. Describe how important historical events have caused significant regional and world changes
3. Demonstrate knowledge of the causes and effects of global environmental problems
4. Compare and contrast governmental systems of world regions and identify major world leaders
5. Explain how natural resources affect the economic activities of world regions
6. Identify and compare the major types of economic systems within the world
7. Investigate regional issues and problems using technological tools
8. Explore the ways that various ethnic and cultural influences have affected world regions
9. Summarize what life was like after World War II
10. Explain the Civil Rights Movement

Physical Education

1. Identify and demonstrate the rules, strategies and courtesies of the following activities: archery, badminton, basketball, flickerball, floor hockey, golf, in-line skating, leisure-time sports, nerf football, softball, soccer, table tennis, team handball and volleyball

2. Demonstrate advanced skills and movements necessary for individual and team sports
3. Perform fitness testing based on the health-related components of fitness
4. Demonstrate the ability to reach and maintain target heart rates during activity
5. Demonstrate and assess personal strength-training goals
6. Demonstrate and relate advanced strength-training exercises to muscle groups

Music

1. Identify and demonstrate knowledge of slurs, ties, accidentals and key signatures
2. Define and analyze development of the leitmotif
3. Define and analyze impressionist techniques
4. Identify and define the style, periods and major composers of Western music
5. Define and identify syncopation and improvisation
6. Research the key people and developments in American popular music from its roots to the present
7. Identify and analyze various styles of music from the Middle Ages, Baroque, Classical, Romantic and 20th-Century time periods

Art

1. Identify, describe and critique works based on the elements and principles of design that create unity
2. Create a drawing to accurately reflect observation
3. Demonstrate skills using a brush in painting
4. Identify and use various methods of movement in a composition
5. Create a 3-D project with visual and physical balance
6. Construct a slab-built clay project
7. Identify, analyze and produce works reflecting a variety of cultures, historical periods and styles
8. Identify and discuss careers in art

Industrial Arts

1. Read a ruler, measure and reduce fractions correctly
2. Identify and use a wide variety of basic measuring and layout tools correctly
3. Identify woodworking hand tools and jig/sabre saws and demonstrate a working knowledge of these tools in a safe, responsible manner
4. Understand the orderly sequence of woodworking operations to complete projects successfully
5. Demonstrate safe working habits while completing two required projects

Health

1. Demonstrate and assess personal contributions through community service
2. Generate individual short-term and long-term goals that will enhance personal health
3. Demonstrate stress-relieving techniques
4. Demonstrate appropriate assertive communication
5. Monitor anger triggers and assess management strategies
6. Classify drugs by their effects on the body
7. Understand advanced study of male and female anatomy and physiology
8. Identify vocabulary pertinent to transmission and prevention of STD's

Foreign Language

1. Develop the listening, speaking, reading and writing skills to communicate about topics such as family, clothing, shopping, marketplace, restaurants, invitations, planning, travel, directions, physical and emotional conditions, and past events
2. Master intermediate elements of basic grammar
3. Explore Hispanic and Francophone cultures

Revised: 6/10

Mission Statement

The mission of School District 161 is to challenge every student, without exception, to acquire a core of academic knowledge, and master basic skills.

The District will provide a rigorous learning environment where our students will acquire a broad-based education while developing critical thinking skills, all in accordance with the District's Philosophy of Instruction. Our goal is for our students to gain the knowledge and self-confidence they will need to ensure their future success.

FLOSSMOOR SCHOOL DISTRICT 161

For additional information, please contact your student's principal:

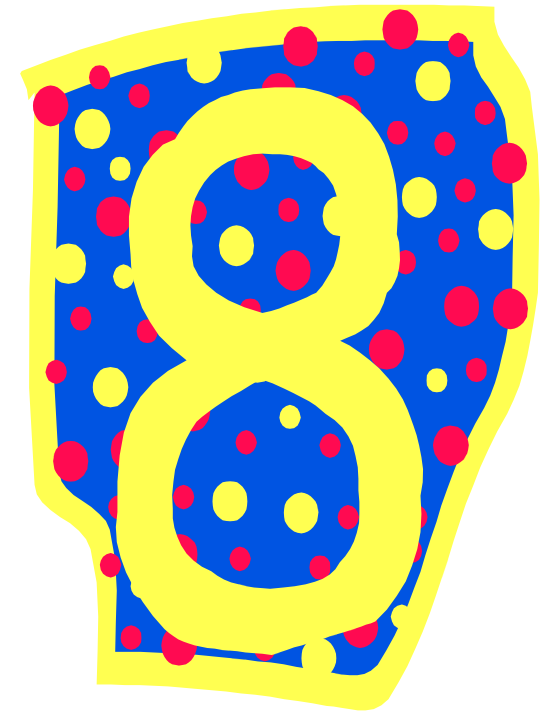
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Serena Hills Elementary School
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Western Avenue Elementary School
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Parker Junior High School
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**Learner Objectives
8th Grade**