



St. Pius X Catholic School follows the North Carolina Standard Course of Study. For details, see <https://www.dpi.nc.gov/districts-schools/classroom-resources/academic-standards/standard-course-study>

| Grade | English and Language Arts | Math | Science | Social Studies | Religion |
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| 6 th Grade | <p>*Topics Covered:</p> <ul style="list-style-type: none"> • Writing skills • Reading comprehension and close reading skills • Vocabulary • Grammar • Literary genres • Story elements • Figurative language • Word roots/affixes • Research/MLA formatting <p>*Resource List:</p> <ul style="list-style-type: none"> • Novels • Newsela • Vocabulary.com | <p>*6th Grade Math Topics Covered:</p> <ul style="list-style-type: none"> • Ratios and proportional relationships • Number theory and fractions • Expressions and equations • Geometry • Statistics and probability <p>*Advanced 6th Grade Math is 7th Grade Math: see the following row for topics covered</p> | <p>*Classes are held in a state-of-the-art lab classroom</p> <p>*Focus: Earth Science</p> <ul style="list-style-type: none"> • Earth's water and air • Weather and climate • Earth's interior • Rock cycle • Plate tectonics • Earth's history | <p>*Focus: Ancient World History</p> <ul style="list-style-type: none"> • Time frame: from the beginning of human existence to the Age of Exploration • Africa, Asia, Europe, and the Americas • Expansion and decline of civilizations • Achievements, culture, and geography of societies | <p><u><i>Spirit of Truth:</i></u></p> <ul style="list-style-type: none"> • <u><i>Virtues in Education</i></u> program • First half of the year: Old Testament • Second half of the year: New Testament and history of the early Church • Plan for and participate in weekly school Masses • Plan and participate in school stewardship activities • Meet monthly with pre-K prayer buddies |
| 7 th Grade | <p>*Topics Covered:</p> <p>Continuation of topics from 6th grade in further depth, with greater proficiency expected</p> <p>*Resource List:</p> <ul style="list-style-type: none"> • Novels | <p>*7th Grade Math Topics Covered:</p> <ul style="list-style-type: none"> • Integers • Inequalities • Data analysis and statistics • Patterns, relations, and functions | <p>*Classes are held in a state-of-the-art lab classroom</p> <p>*Focus: Life Science</p> <ul style="list-style-type: none"> • Cells and organisms | <p>*Focus: World History</p> <ul style="list-style-type: none"> • Time frame: from the Age of Exploration to contemporary times • Implications of increased global interactions | <p><u><i>Spirit of Truth:</i></u></p> <ul style="list-style-type: none"> • <u><i>Virtues in Education</i></u> program • Detailed study of Catholic beliefs • Develop a better understanding of the core beliefs of |

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| | <ul style="list-style-type: none"> • Newsela • Vocabulary.com | <ul style="list-style-type: none"> • Polynomials, equations, and inequalities <p>*There are two options for Advanced 7th Grade Math:</p> <ul style="list-style-type: none"> • 8th Grade Math • Algebra 1 (NC Math 1) • See the following rows for topics covered | <ul style="list-style-type: none"> • Inheritance and reproduction • Human body systems • Ecology and the environment • Ecosystems • History of life on Earth | <ul style="list-style-type: none"> • Geography, culture, and the development of societies • Human–environment interaction | <p>the church and its origin in Jesus Christ</p> <ul style="list-style-type: none"> • Plan and participate in school stewardship activities • Plan for and participate in weekly school Masses • Meet monthly with 3rd grade prayer buddies |
| 8 th Grade | <p>*Topics Covered:</p> <ul style="list-style-type: none"> • Students are expected to further hone their writing and critical thinking skills • Students graduate from the 8th grade fully prepared to complete high school–level writing assignments <p>*Resource List:</p> <ul style="list-style-type: none"> • Novels • Newsela • Vocabulary.com | <p>*8th Grade Math Topics Covered:</p> <ul style="list-style-type: none"> • Whole numbers and integers • Fractions • Decimals • Ratios, proportions, and measurement • Percent • Equations and inequalities • Graphs, functions, and sequences • Exponents, polynomials, and radicals • Lines, angles, and polygons • Transformations • Perimeter, area, and volume • Data analysis and probability | <p>*Classes are held in a state-of-the-art lab classroom</p> <p>*Focus: Physical Science</p> <ul style="list-style-type: none"> • Energy and energy transfer • Chemical reactions • Forces and motion • Matter • Electric and magnetic forces | <p>*Focus: US History</p> <ul style="list-style-type: none"> • Time frame: pre-Revolutionary era to contemporary times • Builds on 4th/5th grade study of NC and US history for a more rigorous study of the historical foundations and democratic principles that continue to shape our state and nation • Critical events, personalities, issues, and developments in the state and nation • Relationship of geography, events, and people to the political, economic, technological, and cultural developments that | <p><u>Spirit of Truth:</u></p> <ul style="list-style-type: none"> • <u>Virtues in Education</u> program • Focus: morality • Develop an understanding of how we are expected to live and act as Disciples of Christ • Plan and participate in school stewardship activities • Plan for and participate in weekly school Masses • Meet monthly with kindergarten prayer buddies |

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| | | <p>*Advanced 8th Grade Math–Algebra 1/NC Math 1 Topics Covered:</p> <ul style="list-style-type: none"> • Real numbers • Linear equations and linear inequalities • Functions and lines • Systems of equations and inequalities • Linear systems • Exponents and exponential functions • Ratios, proportions, and trigonometry • Polynomials and factoring • Quadratic functions and equations • Radicals • Data analysis and probability <p><i>**Successful completion of Algebra/NC Math 1 gives the student 1 high school math credit</i></p> <p>*Advanced 8th Grade Math–Geometry/NC Math 2</p> <ul style="list-style-type: none"> • Segments and angles • Reasoning • Lines • Triangles • Polygons and quadrilaterals • Similarity | | <p>shaped our existence in North Carolina and the United States over time</p> | |
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| | | <ul style="list-style-type: none"> • Right triangles and trigonometry • Transformations • Area and volume • Circles • Probability and data analysis <p><i>**Successful completion of Geometry/NC Math 2 gives the student 1 high school math credit</i></p> | | | |
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