



# Kindergarten

## Instructional Areas of Focus



The Catholic schools in the Diocese of Erie follow the PA Core Standards for mathematics and language arts. The academic progression in grades K-8 leads toward high school and college and career readiness. Each school provides instruction, activities and traditions that are school-specific and support a rigorous curriculum.

### Mathematics

Know number names and the count sequence - rote count to 100

Count using one-to-one correspondence to tell the number of objects

Compare numbers 1-20

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from

Work with numbers 11- 19 to gain foundations for place value

Identify, describe and compare physical and measurable attributes for two and 3D shapes

Tell time to the hour and half hour on a digital and analog clock

Recognize, identify and count coins (penny, nickel and dime)

### Language Arts

Develop foundational skills (book handling, print concepts, phonological awareness, phonics/word recognition, and fluency)

Establish the development of word recognition skills, vocabulary, and comprehension skills/strategies

Practice basic writing skills including handwriting, spelling, and grammar

Engage in writing daily with guidance

Participate daily, speaking and listening skills during discussions

Establish skills of being a good listener, taking turns, collaborating, and supporting ideas with facts

Focus on the use of language as a tool for communication

Utilize conventions of standard English grammar, usage, and mechanics, as well as learning other ways to use language to convey meaning effectively



# Grade 1

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### Mathematics

- Represent and solve problems involving addition and subtraction within 20
- Understand and apply properties of operations and the relationship between addition and subtraction
- Compare and distinguish between two and three-dimensional shapes
- Represent and interpret data using charts/tables
- Tell and write time to the nearest half hour using a digital and analog clock
- Recognize and understand the value of coins up to 99 cents
- Extend the counting sequence
- Understand place value
- Use place value understanding and properties of operations to add and subtract within 100
- Measure lengths indirectly and by repeating length units

### Language Arts

- Develop foundational skills (book handling, print concepts, phonological awareness, phonics/word recognition, and fluency)
- Develop word recognition skills, vocabulary, and comprehension skills/strategies
- Practice fluency daily, focusing on repeated readings and many opportunities to practice reading
- Write for different purposes and audiences
- Focus on the writing process as a means of improving writing
- Establish skills of collaborating, being a good listener, taking turns, and supporting ideas with facts
- Develop and ask questions about topics being studied and texts being read
- Determine or clarify the meaning of grade-appropriate words encountered through listening and reading
- Develop an understanding of new words within context with prompting and support
- Acquire new words with explanations that make understanding more concrete



# Grade 2

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### Mathematics

- Represent and solve problems involving addition and subtraction within 100
- Fluently add and subtract within 20-know from memory, all sums of two one-digit numbers
- Use place value to represent hundreds, tens and ones and compose three-digit numbers
- Use place value understanding to read, write and skip count to 1,000
- Use place value concepts and properties of operations to add and subtract within 1,000
- Measure and estimate lengths in standard units
- Relate addition and subtraction to length
- Solve problems and make change using coins and paper currency
- Write and tell time to the nearest five minutes using both analog and digital clocks
- Use understanding of fractions to partition shapes into halves quarters and thirds

### Language Arts

- Continue the development of word recognition skills, vocabulary, and comprehension skills
- Practice fluency daily focusing on repeated readings and continued opportunities to read
- Write for different purposes and audiences
- Write daily with guidance for a variety of purposes
- Focus on the writing process as a means of improving writing
- Establish skills of collaborating, being a good listener, taking turns, and supporting ideas with facts
- Develop and ask questions about topics being studied and text being read
- Gain control over many conventions of standard English grammar, usage, and mechanics, as well as learning other ways to use language to convey meaning effectively
- Determine or clarifying the meaning of grade-appropriate words encountered through listening and reading
- Develop an understanding of new words within context with prompting and support Acquire new words with explanations that make understanding more concrete



# Grade 3

## Instructional Areas of Focus



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### Mathematics

Understand properties of multiplication and the relationship between multiplication and division

Demonstrate multiplication and division fluency within 100

Solve problems involving the four operations, and identify & explain patterns in arithmetic

Develop understanding of fractions as numbers

Solve problems involving measurement and estimation of intervals of time, liquid volumes, & masses of objects

Understand concepts of area and relate area to multiplication and to addition

Tell and write time to the nearest minute and solve problems by calculating time intervals

Apply place value understanding to perform multi-digit arithmetic

Solve problems involving money using a combination of coins and bills

Represent and interpret data using tally charts, tables, pictographs, line plots and bar graphs

Explore and develop an understanding of fractions as numbers

### Language Arts

Practice fluency daily focusing on repeated readings and continued opportunities to read

Learn new words, facts, and ideas from reading, as well as interpreting and summarizing texts

Read and discuss a variety of interesting and appropriate texts from multiple genres

Focus on the writing process as a means of improving writing and write for different purposes

Establish skills of collaborating, being a good listener, and supporting ideas with facts

Develop and ask questions about topics being studied and text being read

Gain control and learn conventions of standard English grammar, usage, and mechanics, as well as learn other ways to use language to convey meaning effectively

Determine or clarify the meaning of words encountered through listening and reading

Appreciate non-literal meanings, shadings of meaning, and relationships to other words

Understanding new words within context and with explanations



# Grade 4

## Instructional Areas of Focus



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### Mathematics

Use the four operations with whole numbers to solve problems  
Generalize place value understanding for multi-digit whole numbers  
Use place value understanding and properties of operations to perform multidigit arithmetic  
Extend understanding of fraction equivalence and ordering  
Build fractions from unit fractions by applying and extending previous understandings of operations  
Understand decimal notation for fractions, and compare decimal fraction  
Represent and interpret data involving fractions provided by a line plot  
Solve problems involving measurement conversions from a larger unit to a smaller unit

### Language Arts

Learn new words, facts, and ideas from reading, as well as interpreting and summarizing texts.  
Read and discuss a variety of texts from multiple genres  
Shift gradually to deeper comprehension, combining literacy skills and content knowledge  
Interact with text through close reading, analysis, and interpretation  
Write routinely over extended periods (research, reflection, and revision) and shorter periods (a single sitting) for a range of tasks, purposes, and audiences  
Employ detail in writing, sustaining a focus, and producing well-organized writing.  
Gather information, evaluating sources, citing evidence, and responding analytically  
Focus on the writing process as a means of producing and improving writing  
Listen attentively and critically, responding thoughtfully, and building upon the ideas of others  
Participate in a variety of structured conversations: partner, small group, whole class  
Engage in collaborative communication and taking part in discussions  
Apply conventions of standard English including grammar, usage, and mechanics, as well as using language to convey meaning effectively



# Grade 5

## Instructional Areas of Focus



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### Mathematics

Understand the place value system

Perform operations with multi-digit whole numbers and decimals to hundredths

Use equivalent fractions as a strategy to add and subtract fractions

Apply and extend previous understandings of multiplication and division to multiply and divide fractions

Understand concepts of volume and relate volume to multiplication and to addition

Graph points in the coordinate plane to solve real-world and mathematical problems

Interpret and evaluate numerical expressions using order of operations

Solve problems using conversions withing a given measurement system

### Language Arts

Learn new words, facts, and ideas from reading, as well as interpreting and summarizing texts

Read and discuss a variety of texts from multiple genres

Shift gradually to deeper comprehension, combining literacy skills and content knowledge

Interact with text through close reading, analysis, and interpretation

Write routinely over extended periods (research, reflection, and revision) and shorter periods (a single sitting) for a range of tasks, purposes, and audiences

Employ detail in writing, sustaining a focus, and producing well-organized writing

Gather information, evaluating sources, citing evidence, and responding analytically

Focus on the writing process as a means of producing and improving writing

Listen attentively and critically, responding thoughtfully, and building upon the ideas of others

Participate in a variety of structured conversations: partner, small group, whole class

Engage in collaborative communication and taking part in discussions

Apply conventions of standard English including grammar, usage, and mechanics, as well as using language to convey meaning effectively



# Grade 6

## Instructional Areas of Focus



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### Mathematics

Apply and extend previous understandings of multiplication and division to divide fractions by fractions

Apply and extend previous understandings of numbers to the system of rational numbers

Understand ratio concepts and use ratio reasoning to solve problems

Apply and extend previous understandings of arithmetic to algebraic expressions

Reason about and solve one-variable equations and inequalities

Represent and analyze quantitative relationships between dependent and independent variables

### Language Arts

Interact with text through close reading, analysis, and interpretation

Engage and interact with the text (deep reading of text) to discern not only the craft of the writer, but the connectivity to other texts and citing evidence to support a conclusion

Write routinely over extended periods (research, reflection, and revision) and shorter periods (a single sitting) for a range of tasks, purposes, and audiences

Employ detail in writing, sustaining a focus, and producing well-organized writing

Gather information, evaluating sources, citing evidence, and responding analytically

Focus on the writing process as a means of producing and improving writing

Listen attentively and critically, responding thoughtfully, and building upon the ideas of others.

Discuss and making connections among multiple texts using intra-, inter-, and extratextual questions

Apply conventions of standard English including grammar, usage, and mechanics, as well as using language to convey meaning effectively





# Grade 7

## Instructional Areas of Focus



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### Mathematics

Apply and extend previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers

Analyze proportional relationships and use them to solve real-world and mathematical problems

Use properties of operations to generate equivalent expressions

Solve real-life and mathematical problems using numerical and algebraic expressions and equation

### Language Arts

Engage and interact with the text (deep reading of text) to discern not only the craft of the writer, but the connectivity to other texts and citing evidence to support a conclusion

Write routinely over extended periods (research, reflection, and revision) and shorter periods (a single sitting) for a range of tasks, purposes, and audiences

Employ detail in writing, sustaining a focus, and producing well-organized writing

Gather information, evaluating sources, citing evidence, and responding analytically

Build knowledge on a subject through research projects and responding analytically to literary and informational sources

Listen attentively and critically, responding thoughtfully, and building upon the ideas of others.

Talk about texts in order to develop knowledge of academic language and conceptual understanding

Apply conventions of standard English include grammar, usage, and mechanics, as well as using language to convey meaning effectively

Determine or clarify the meaning of unknown and multiple meaning words through context clues, understanding word relationships and nuances in meanings, and understanding the structure of words





# Grade 8

## Instructional Areas of Focus



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### Mathematics

Work with radical and integer exponents

Understand the connections between proportional relationships, lines, and linear equations

Analyze and solve linear equations and pairs of simultaneous linear equations

Define, evaluate, and compare functions

Use functions to model relationships between quantities

### Language Arts

Engage and interact with the text (deep reading of text) to discern not only the craft of the writer, but the connectivity to other texts and citing evidence to support a conclusion

Write routinely over extended periods (research, reflection, and revision) and shorter periods (a single sitting) for a range of tasks, purposes, and audiences

Employ detail in writing, sustaining a focus, and producing well-organized writing

Gather information, evaluating sources, citing evidence, and responding analytically

Build knowledge on a subject through research projects and responding analytically to literary and informational sources

Listen attentively and critically, responding thoughtfully, and building upon the ideas of others.

Talk about texts in order to develop knowledge of academic language and conceptual understanding

Apply conventions of standard English include grammar, usage, and mechanics, as well as using language to convey meaning effectively

Determine or clarify the meaning of unknown and multiple meaning words through context clues, understanding word relationships and nuances in meanings, and understanding the structure of words