



Instructional Resources Lower Grammar Stage

Nature Studies Resources	
Grade	<i>Note: The science curriculum is guided primarily by the teacher's thoughtful integration of various resources. There are no textbooks. Anna Botsford Comstock's Handbook of Nature Study contains instructions for the teacher on how to approach nature studies (pp.1-24) as well as lessons and other source material.</i>
K	<p>Topics</p> <ul style="list-style-type: none"> • Dinosaurs and fossils • Basic animal groups • Plants and plant parts • Water cycle Solar system: sun, moon, planets, stars • Seasons • My body: the senses • Simple machines: wheels, ramps, levers • Magnets <p>Teacher Resources</p> <ul style="list-style-type: none"> • Handbook of Nature Studies, Anna Botsford Comstock • Nature Notebook (for the students to draw in) • Janice VanCleave's Teaching the Fun of Science to Young Learners: Grades Pre-K through 2nd, Janice VanCleave • Big Book of Dinosaurs: A First Book for Young Children (DK Publishing) • The Magic School Bus Explores the Senses, Joanna Cole • The Magic School Bus In the Time of the Dinosaurs, Joanna Cole • The Magic School Bus Plants Seeds: How Living Things Grow, Joanna Cole
1	<p>Topics</p> <ul style="list-style-type: none"> • Animals: birds, fish, amphibians, reptiles, mammals, insects

	<ul style="list-style-type: none"> • Plants: wildflowers, weeds, garden flowers, crops, trees • Human body: the senses, the skin, skeletal and muscular systems, the digestive system, respiratory and circulatory systems, nerves and the brain <p>Teacher Resources</p> <ul style="list-style-type: none"> • Handbook of Nature Study, Anna Botsford Comstock • Nature Notebook (for the students to record and draw in) • The Backyard Birdsong Guide: Eastern and Central North America, A Cornell lab of Ornithology Audio Field Guide to Listening, Donald KroodsmaNorth American Wildlife (Revised and Updated), editors of Readers Digest • Your Insides, Joanna Cole • Fabre's Book of Insects, Jean-Henri Fabre • The Life of the Spider, Jean-Henri Fabre • The Magic School Bus Inside the Human Body, Joanna Cole • The Magic School Bus Explores the Senses, Joanna Cole • The Magic School Bus Plants Seeds, Joanna Cole
2	<p>Topics</p> <ul style="list-style-type: none"> • Waterways • Rocks and minerals, fossils • Soil and magnets • Water • Climate and weather • Astronomy <p>Teacher Resources</p> <ul style="list-style-type: none"> • Handbook of Nature Study, Anna Botsford Comstock • Nature Notebook (for the students to record and draw in) • Earth Science for Every Kid:101 Easy Experiments that Really Work, Janice VanCleave • The Usbourne Encyclopedia of Planet Earth • Snowflake Bentley, Jacqueline Briggs Martin • The Magic School Bus Lost in the Solar System, Joanna Cole • The Magic School Bus Inside the Earth, Joanna Cole • The Magic School Bus Kicks Up a Storm, Nancy White

Grade	Mathematics Resources
K	<ul style="list-style-type: none"> • Saxon Math Kindergarten • Singapore Math

	<ul style="list-style-type: none"> • Beginners Guide to Constructing the Universe, Michael S. Schneider *Constructing the Universe Activity Book, Volumes 1-6, Michael S. Schneider <p>Related to Historical Time Period</p> <ul style="list-style-type: none"> • The History of Counting, Denise Schmandt-Besserat • The Story of Money, Betsy Maestro • The Riddle of the Rosetta Stone, James Cross Giblin <p>Supplemental Texts</p> <ul style="list-style-type: none"> • The Dot and the Line: A Romance in Lower Mathematics, Norton Juster • Anno’s Magic Seeds, Mitsumasa Anno • Domino Addition, Lynette Long • Grandfather Tang’s Story: A Tale Told with Tangrams, Ann Tompert • How Much is a Million, David Schwartz • Marvelous Math: A Book of Poems, ed. by Lee Bennett and Rebecca Davis • Math Curse, Jon Scieszka • Math-terpieces, Greg Tang • Beyond a Million: An Amazing Math Journey, David Schwartz • Pigs in a Blanket: Fun with Math and Time, Amy Axelrod • Pigs in the Pantry: Fun with Math and Cooking, Amy Axelrod • Pigs Will Be Pigs: Fun with Math and Money, Amy Axelrod • A Remainder of One, Elinor Pinczes • Twelve Snails to One Lizard: A Tale of Mischief and Measurement, Susan Hightower • The Go-Around Dollar, Barbara Johnston Adams • Lewis Carroll’s Games and Puzzles, Lewis Carroll • Math Trek: Adventures in MathZone, Ivars Peterson and Nancy Henderson • Anno’s Math Games, Mitsumasa Anno • Teacher Resources Games for Math, Peggy Kaye (K-3) • Take It to Your Seat Math Centers, Evan-Moor Educational Publishers Math Wizardry for Kids by Margaret Kenda and Phyllis S. Williams
<p>1</p>	<ul style="list-style-type: none"> • Saxon Math Grade 1 • Singapore Math • Beginners Guide to Constructing the Universe, Michael S. Schneider • Constructing the Universe Activity Book, Volumes 1-6, Michael S. Schneider <p>Related to Time Period</p> <ul style="list-style-type: none"> • The History of Counting, Denise Schmandt-Besserat • The Story of Money, Betsy Maestro • What’s Your Angle, Pythagoras? • A Math Adventure, Julie Ellis • The Librarian Who Measured the Earth, Kathryn Lasky <p>Supplemental Texts</p> <ul style="list-style-type: none"> • Alvin’s Secret Code, Clifford Hicks • The Dot and the Line: A Romance in Lower Mathematics, Norton Juster • The Grapes of Math: Mind Stretching Math Riddles, Greg Tang

	<ul style="list-style-type: none"> • One Grain of Rice, Demi Tiger Math: Learn to Graph from a Baby Tiger, Ann Whitehead Nagda and Cindy Bickel • Wild Fibonacci: Nature’s Secret Code Revealed, Joy Hulme • Anno’s Magic Seeds, Mitsumasa Anno • Domino Addition, Lynette Long, Ph.D • Grandfather Tang’s Story: A Tale Told with Tangrams, Ann Tompert • How Much is a Million, David Schwartz • Marvelous Math: A Book of Poems, ed. by Lee Bennett and Rebecca Davis • Math Curse, Jon Scieszka • Math-terpieces, Greg Tang • On Beyond a Million: An Amazing Math Journey, David Schwartz • Pigs in a Blanket: Fun with Math and Time, Amy Axelrod • Pigs in the Pantry: Fun with Math and Cooking, Amy Axelrod • Pigs Will Be Pigs: Fun with Math and Money, Amy Axelrod • A Remainder of One, Elinor Pinczes • Twelve Snails to One Lizard: A Tale of Mischief and Measurement, Susan Hightower • The Go-Around Dollar, Barbara Johnston Adams • Lewis Carroll’s Games and Puzzles, Lewis Carroll • Math Trek: Adventures in MathZone, Ivars Peterson and Nancy Henderson • Anno’s Math Games, Mitsumasa Anno • Benjamin Franklin and the Magic Squares, A Step into Reading + <p>Math Teacher Resources</p> <ul style="list-style-type: none"> • Mad Minutes, Paul Joseph Shoecraft and Terry James Clukey • Games for Math, Peggy Kaye (K-3) • Take It to Your Seat Math Centers, Evan-Moor Educational Publishers Math Wizardry for Kids by Margaret Kenda and Phyllis S. Williams • Tangrams: 330 Puzzles by Ronald C. Read
<p>2</p>	<ul style="list-style-type: none"> • Saxon Math Grade 2 • Singapore Math • Beginners Guide to Constructing the Universe, Michael S. Schneider • Constructing the Universe Activity Book, Volumes 1-6, Michael S. Schneider <p>Related to Historical Time Period</p> <ul style="list-style-type: none"> • The History of Counting, Denise Schmandt-Besserat • The Story of Money, Betsy Maestro • Roman Numerals I to M: Numerabilia Romania Uno Ad Due Mila: Liber De Difficillimo Computando Numerum, Arthur Geisert <p>Supplemental Texts</p> <ul style="list-style-type: none"> • The Dot and the Line: A Romance in Lower Mathematics, Norton Juster • Math Talk: Mathematical Ideas in Poems for Two Voices, Theoni Pappas • The Adventures of Penrose the Mathematical Cat, Theoni Pappas • Anno’s Mysterious Multiplying Jar, Masaichiro and Mitsumasa Anno

- Amanda Bean's Amazing Dream: A Mathematical Story, Cindy Neushwander
- The Grapes of Math: Mind Stretching Math Riddles, Greg Tang
- One Grain of Rice, Demi Tiger
- Math: Learn to Graph from a Baby Tiger, Ann Whitehead Nagda and Cindy Bickel Wild Fibonacci: Nature's Secret Code Revealed, Joy Hulme
- Anno's Magic Seeds, Mitsumasa Anno
- Domino Addition, Lynette Long Grandfather
- Tang's Story: A Tale Told with Tangrams, Ann Tompert
- How Much is a Million, David Schwartz
- Marvelous Math: A Book of Poems, ed. by Lee Bennett and Rebecca Davis
- Math Curse, Jon Scieszka
- Math-terpieces, Greg Tang
- Beyond a Million: An Amazing Math Journey, David Schwartz
- Pigs in a Blanket: Fun with Math and Time, Amy Axelrod
- Pigs in the Pantry: Fun with Math and Cooking, Amy Axelrod
- Pigs Will Be Pigs: Fun with Math and Money, Amy Axelrod
- A Remainder of One, Elinor Pinczes
- Twelve Snails to One Lizard: A Tale of Mischief and Measurement, Susan Hightower The Go-Around Dollar, Barbara Johnston Adams
- Lewis Carroll's Games and Puzzles, Lewis Carroll
- Math Trek: Adventures in MathZone, Ivars Peterson and Nancy Henderson
- Anno's Math Games, Mitsumasa Anno
- Benjamin Franklin and the Magic Squares, A Step into Reading +

Math Teacher Resources

- Donald Duck in Mathmagical Land (DVD)
- Mad Minutes, Paul Joseph Shoecraft and Terry James Clukey
- Games for Math, Peggy Kaye
- Take It to Your Seat Math Centers, Evan-Moor Educational Publishers Math Wizardry for Kids by Margaret Kenda and Phyllis S. Williams
- Math Puzzles and Patterns for Kids, by Kristy Fulton
- Tangrams: 330 Puzzles by Ronald C. Read
- More Math Puzzles and Patterns for Kids, Grades 2-4 by Kristy Fulton
- The Multiplication Tables Colouring Book: Solve the Puzzle Pictures While Learning Your Tables, Hilary McElderry

Catechetical Instruction Resources

Our Lower Grammar Stage catechetical instruction in the Truths of the Faith is mainly through the Catechesis of the Good Shepherd program based on the methods of Maria Montessori. All resources (e.g., Ignatius Press and Sophia Institute materials, the Baltimore Catechism, etc.) are rooted in Scripture and Tradition and adhere to the Magisterium of the Catholic Church.

We also utilize the "Disciples in Christ" "Education in Virtue" virtue program published by the Dominican Sisters of Ann Arbor, Michigan.

Catechesis of the Good Shepherd Scope and Sequence