

Mosinee School District
Parents' Guide to Sixth Grade

2014-15

This year your child will learn to:

**Traits Exhibited by Many Ten-to
Twelve- Year Olds**

All children develop differently but you may notice the following traits as your child attends Fourth, Fifth or Sixth Grade.

- ◆ Want to be together in groups and teams
- ◆ Have the patience to work toward short-term goals
- ◆ Form cliques and friendships with own sex and age group
- ◆ Seek status through excellence in skills and knowledge of grown-up things
- ◆ Are fairly competitive in team and individual activities
- ◆ Have a growing concern with their physical size and appearance
- ◆ Like to make, do and collect things
- ◆ Boys and girls can work and socialize in programs where they share planning responsibilities
- ◆ Enjoy being mischievous and daring

Grade 6 Teachers:

- Ann Robison, Cori Ellis: Communications
- Nicole Melander, Jason Shupe: Mathematics
- Mike McCarthy: Science
- Justin Jacobs: Social Studies
- Christy Mathis: Art
- Sara Kaczor, Don Winter: PE
- Deb Christman: PE/Health
- Tessa Knetter: Instrumental Music
- Julie Soczka: Vocal Music
- Sandra Wurdeman: Library/Media
- Kelly Remondini: Read 180
- Amber Garbe: Reading Coordinator
- Kathy Brandon: Gifted/Talented Support
- Jan Friederichs, Tiffany Tanck, Jodi Merchant, Jim Lietz: Special Education

Art

- Use materials purposefully and safely
- Understand color, texture, shape, space, value, and line as elements of art
- Understand and apply mathematical principles to art (proportion, perspective, balance, scale, geometry, pattern, repetition, measurement)
- Understand balance, movement, rhythm, contrast, emphasis, pattern, and unity as principles of design
- Express self through 2D and 3D art media while developing personal artistic style
- Reflect on works of art in the world today and in history
- Understand the concept of an art critique
- Learn about career choices in art

Language Arts/Reading

- Use oral and written language to convey a message appropriate to a situation
- Listen when others are speaking
- Contribute ideas to discussions
- Read books and other materials for information and enjoyment
- Analyze text to identify character, plot, setting, conflict, theme
- Identify the underlying story structure of fiction (story map)
- Identify structure of non-fiction reading (cause/effect, problem/solution, compare/contrast, thesis/evidence)
- Understand connotation of words, denotation of words, and figurative language
- Increase written and spoken vocabulary
- Read a variety of books (biography, non-fiction, fantasy, historical fiction, etc.)
- Compare and contrast different types of genre: written/multi-media, fiction/non-fiction, narrative/poetry
- Summarize fiction and non-fiction after reading
- Read critically to understand an author's point of view, main idea, and supporting evidence
- Write an argument (persuasive essay) using appropriate style, word choice, and voice
- Write informational reports and narratives to convey ideas
- Write using complete sentences, transitions, and paragraphs
- Write stories, personal thoughts, letters, poetry or reactions to reading
- Apply appropriate punctuation including commas, parentheses, and dashes
- Apply knowledge of parts of speech in speaking and writing
- Understand the importance of word choice in conveying a message and relating to an audience
- Spell and use words correctly
- Use writing process to plan and create written work
- Write and self-evaluate based upon the 6+1 Traits of Writing
- Understand the meanings of word roots and affixes (prefixes, suffixes)

- Use computer programs to organize and communicate information
- Present oral reports and speeches incorporating multi-media

Mathematics

- Use problem solving strategies
- Estimate to recognize answers which make sense
- Understand properties of numbers to allow more ways to solve problems (commutative, distributive, associative)
- Understand place value
- Explain answers orally and in writing
- Know the rules of divisibility
- Use and understand ratios
- Make graphs and tables
- Use statistical measure of mean, mode, median, range
- Use symbols to stand for numbers
- Divide fractions by fractions
- Find greatest common factor of whole numbers
- Find least common multiple of whole numbers
- Add, subtract, multiply, and divide decimals and fractions
- Understand absolute value
- Understand and evaluate exponents
- Understand and write inequalities
- Understand basic geometric principles (congruency)
- Understand and use geometric formulas for perimeter and area
- Move and change geometric shapes
- Understand and graph positive and negative integers
- Locate points on a grid using ordered pairs
- Understand statistical variability
- Plot data on a number line
- Summarize statistical data using mean, median, deviations

Discovery Math

- Know and use all of the math concepts and processes listed for **Mathematics** above
- Use the order of operations to solve expressions
- Create and solve equations using function tables
- Create equations to solve real world problems
- Analyze the effect of an outlier on the mean
- Compare and order integers

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- Add, subtract, multiply, and divide integers
- Simplify fractions with variables
- Understand the relationship between a decimal and a fraction

Vocal Music

- Sing using solfege symbols
- Sing and play in a two- and three-part harmony
- Identify forms of music
- Write and play 6/8 and 4/4 time
- Identify instruments by sound
- Identify vocal types
- Distinguish major and minor keys
- Hear and identify musical forms (Question/Answer, Call/Response, Spirituals)
- Use basic music symbols
- Listen respectfully to others' performances
- Discuss performances using music vocabulary
- Recognize musical compositions and identify composer, country, and era
- Understand how music contributes to culture today and interrelates to other subjects
- Improvise on classroom instruments

Instrumental Music

- Demonstrate basic instrumental technique
- Read, identify, and use standard notation symbols
- Sight read simple melodies in bass or treble clefs
- Play different musical styles
- Compose music using different note values
- Identify and evaluate different styles of music
- Evaluate group and individual performances
- Demonstrate proper performance and audience etiquette

Physical Education

- Develop skills through modified sports and activities
- Understand and apply skill development principles
- Understand strategies and tactics of games
- Participate regularly in moderate to vigorous physical activity in and out of school
- Acquire and apply fitness knowledge
- Develop understanding of personal fitness requirements
- Demonstrate personal responsibility
- Demonstrate social responsibility
- Value the benefits of physical activity

Health

- Read and analyze the validity of health information, products, and services

- Compare costs and validity of health products
- Analyze media messages for validity and accuracy
- Develop and implement a personal health plan
- Analyze concepts of conflicts/consequences of drug use
- Learn about health careers
- Comprehend and apply concepts related to health promotion and disease by how they influence health behaviors

Science

- Understand that scientific knowledge is always growing
- Understand and use the scientific method
- Plan and conduct simple science experiments and communicate results
- Use appropriate tools for measurement
- Understand and methods of recording data (charts, graphs, tables)
- Understand and use the metric system
- Understand how the earth has changed and continues to change through volcanic eruptions, earthquakes, erosion, etc.
- Learn about and use latitude and longitude to locate places on the globe
- Understand the nature and properties of light
- Learn about phases of the moon and the rotation of the earth
- Understand the nature and properties of sound
- Learn about the Periodic Table
- Learn about atomic structure
- Learn about elements, compounds, mixtures
- Understand how physical and chemical changes occur
- Learn about famous scientists
- Understand concepts of motion (force, speed, velocity, acceleration, momentum, friction)
- Use critical reading, writing, and thinking skills

Social Studies

- Use latitude and longitude to find places on maps and globes
- Identify directions on a map
- Use maps and globes to locate countries and cities
- Construct a timeline
- Learn about Ancient Greece, Ancient Babylon, and Ancient China, Ancient Rome, Ancient

Egypt, and the ancient civilizations of Mexico and Peru

- Learn about significant people from ancient times
- Understand that buildings and decorations reflect cultural values and ideas
- Understand how art reflects culture
- Learn about basic economic principles used in ancient civilizations
- Learn how different governments and societies were organized
- Understand how knowledge and artifacts are preserved through time
- Know ways that people solved common problems by cooperating and working in groups
- Use critical reading, writing, and thinking skills

Information and Technology

- Search using the internet, online encyclopedia and other reference materials using keyword, domain and phrase strategies
- Understand the capabilities of various search engines
- Create a Works Cited page using MLA
- Locate all information needed for citations
- Create correct citations for digital and non-digital resources
- Choose appropriate library materials
- Understand the meaning of intellectual freedom
- Understand the meaning of copyright and fair use
- Use the library catalog
- Use the library web pages
- Evaluate web sites: who, what, when, where, how
- Create a PowerPoint using elements of design
- Learn to assess one's own progress and quality of work
- Work with a group to complete a project

Self-Directed Learning

- Follow school and classroom rules
- Use self-control
- Show respect for others
- Work to solve own problems
- Work cooperatively with others
- Work independently
- Use a planner for organization
- Use time productively
- Make plans and organize before working
- Work quietly when directed
- Complete work in a timely manner
- Evaluate own work