

**Mosinee School District**  
**Parents' Guide to Seventh Grade**  
**This year your child will learn to:**

**2014-15**

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

*All children develop differently, but you may notice the following traits as your child attends Sixth, Seventh or Eighth Grades.*

- ◆ Have a strong drive for conformity with own age group
- ◆ Have intense feelings and emotions
- ◆ Are influenced greatly by popular adults and teenage idols
- ◆ Have rapidly changing interests and ambitions
- ◆ Have a long interest span and increasing capacity for self-discipline
- ◆ Prefer competition with outside groups over competition with friends
- ◆ Have an idealism about the world at large
- ◆ Have concern with their personal appearance, self-consciousness and inhibition
- ◆ May begin to mature physically
- ◆ Boys and girls can work together on projects better than they can socialize

**Grade 7 Teachers:**

- Chrysta Mulry, Dana Kamke: Language Arts
- Nicole Melander, Robin Shupe: Mathematics
- Derek Yirkovsky: Science
- Paul Nievinski: Social Studies
- Christy Mathis: Art
- Julie Soczka: Music
- Tessa Knetter: Instrumental Music
- Dave Masterson: Technology Education
- Michelle DeLeon: Spanish
- Sara Kaczor, Don Winter: PE
- Kelly Remondini: Read 180
- Amber Garbe: Reading Coordinator
- Kathy Brandon: GT Support
- Sandra Wurdeman, Laurie Agema: Library/Media
- Jim Lietz, Jody Merchant, Nancy Reuter, Tiffany Tanck: Special Education

**Art**

- ❑ Use materials purposefully and safely
- ❑ Understand color, shape, texture, line, space, value, and form as elements of art
- ❑ Understand and apply mathematical principles to art (proportion, perspective, scale, balance, 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**

- ❑ Use oral and written language to convey a message appropriate to a specific situation
- ❑ Listen when others are speaking
- ❑ Contribute ideas to discussions
- ❑ Read books and other materials for information and enjoyment
- ❑ Analyze text in terms of character, plot, setting, conflict
- ❑ Analyze how an author develops his/her characters
- ❑ Identify an author's point of view and provide textual evidence
- ❑ Understand the underlying structure of fiction and non-fiction works (narrative, cause/effect, problem/solution, comparison/contrast)
- ❑ Orally summarize fiction and non-fiction after reading
- ❑ Read a variety of genre
- ❑ Write using simple, compound, and complex sentence forms using meaning-appropriate conjunctions
- ❑ Use phrases and clauses to express thoughts clearly
- ❑ Write stories, personal thoughts, letters, poetry or reactions to reading
- ❑ Know and apply the rules of punctuation including commas, ellipses, dashes
- ❑ Apply knowledge of parts of speech, subject-verb agreement, verb tense, and verbals when writing and speaking
- ❑ Recognize that words may have different contextual meanings
- ❑ Understand the connotation, denotation of words
- ❑ Understand an author's use of figurative language, word choice, rhyme, meter, and/or use of analogies
- ❑ Learn about elements of fiction including tone, sarcasm, irony
- ❑ Understand the importance of word choice and tone in conveying a message and relating to an audience
- ❑ Compare genre including multi-media presentations to determine how the medium contributes to the message
- ❑ Analyze informational text to determine relevant/irrelevant evidence
- ❑ Present oral reports and speeches incorporating multi-media
- ❑ Spell and use words correctly
- ❑ Use knowledge of Greek/Latin roots and affixes to expand vocabulary
- ❑ Interpret figures of speech to understand an author's message

- ❑ Use writing process to plan and create written work including narratives and informational/research papers
- ❑ Use text and digital sources to gather information
- ❑ Use online communication sites
- ❑ Use computers to organize and communicate information

**Mathematics**

- ❑ Use problem-solving strategies
- ❑ Estimate realistic solutions to problems
- ❑ Understand properties of numbers (commutative, associative, distributive) to allow more ways to solve problems
- ❑ Explain mathematical processes or reasoning orally and in writing
- ❑ Organize, present, and understand data
- ❑ Make graphs and tables
- ❑ Use statistical measures of mean, mode, median, range
- ❑ Ask questions about statistical data
- ❑ Understand and use random sampling to generalize about a population
- ❑ Use algebra symbols and equations
- ❑ Be able to generate equivalent expressions
- ❑ Understand prime numbers
- ❑ Understand scientific notation and square root
- ❑ Add, subtract, multiply and divide decimals and fractions
- ❑ Write and graph inequalities
- ❑ Understand and use geometric formulas for 2-dimensional and 3-dimensional shapes and objects
- ❑ Use tools to create geometric shapes and angles
- ❑ Estimate measurements
- ❑ Understand and convert basic units of measurement
- ❑ Use and understand ratios, proportions, and percents
- ❑ Understand and be able to plot positive and negative integers
- ❑ Multiply and divide positive and negative integers
- ❑ Locate a point on a grid using ordered pairs
- ❑ Understand and develop models of probability

**Pre-Algebra**

- ❑ Simplify expressions using order of operations, number properties, and combining like terms
- ❑ Organize data using stem-and-leaf plots, line plots, and scatter plots
- ❑ Recognize patterns and sequences
- ❑ Use exponents effectively
- ❑ Interpret and make different types of graphs
- ❑ Identify and graph the different sets of numbers. (rational, whole, etc.)
- ❑ Perform operations on the different sets of numbers

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- Write and solve linear equations
- Identify and apply concepts dealing with complementary and supplementary angles
- Understand properties of triangles
- Solve multivariable equations for a specific variable
- Graph linear equations on a coordinate plane and understand slope
- Understand mean, median, and mode, and know how to compute each
- Understand proportional reasoning
- Understand and apply basic right triangle trigonometry
- Understand and apply the concepts dealing with percents
- Understand probability and odds
- Explore basic function properties
- Explore measures of variation in statistics
- Find the midpoints of a line segment

**Choral Music**

- Sing with proper intonation and breath control
- Identify forms of music
- Sight read simple melodies using note names and solfège
- Write simple melodies
- Apply basic music symbols
- Listen respectfully to others' performances
- Discuss performances using music vocabulary
- Apply good group singing practices
- Understand the cultural background of selected songs
- Understand how music has contributed to our history and continues to contribute today

**Instrumental Music**

- Demonstrate intermediate instrumental technique
- Use proper breath control
- Read, notate and identify standard notation symbols
- Sight read level 2 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 audience and performance 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

**Science**

- Learn how scientific knowledge is always changing
- Apply the scientific method to investigations
- Learn to use the metric system for measurement and lab data collection
- Learn to plan and conduct science experiments and communicate results through tables and graphs
- Learn about careers in science
- Learn about famous scientists
- Understand cellular structure of prokaryotes, plants, and animals
- Understand cell function
- Understand respiration and photosynthesis
- Understand heredity, genetics, and reproduction
- Understand genetic messaging: DNA
- Understand the scientific classification system of organisms
- Investigate various organisms including bacteria, viruses, protists, fungi)
- Understand plants and their structure
- Investigate various invertebrate organisms (sponges, mollusks, worms)
- Investigate various vertebrates (fish, amphibians, reptiles, birds, mammals)
- Understand animal physiology
- Investigate prey-predator status
- Understand the interrelations within and between ecosystems
- Use critical reading, writing, and thinking skills

**Social Studies: US History/**

**Economics**

- Use latitude and longitude to find places on maps and globes
- Identify directions on a map
- Use maps and globes to locate states and cities
- Understand the Articles of Confederation and the Declaration of Independence
- Understand the events leading to the Revolutionary War
- Understand the Bill of Rights and the Constitution of the United States
- Learn about various presidents and their contributions to our country
- Learn about immigration and the westward expansion
- Learn about political science: freedom, democracy, equality, rules and regulations, responsibility, and justice

- Understand the voting process, majority rule, and minority rights
- Understand the separation of powers at all levels
- Understand the two party system
- Learn about the global economy and interdependence
- Understand business risks/profits
- Understand economic concepts: supply/demand, production, consumption, labor/wages, capital, inflation/deflation, public/private goods and services
- Know ways that people solve common problems by cooperating and working in groups
- Use critical reading, writing, and thinking skills

**Spanish**

- Be able to understand basic commands and classroom instruction given in Spanish
- Pronounce and spell basic Spanish words
- Listen when others are speaking
- Be able to participate in conversations related to basic needs or biographical information
- Use the Internet to research, organize and communicate ideas
- Learn about and appreciate Hispanic culture current events
- Be able to explain the usefulness of world languages

**Technology Education**

- Apply accurate measuring skills
- Become familiar with CAD (Computer Aided Design)
- Complete a design using CAD
- Work effectively as a group
- Exhibit good decision-making skills
- Understand that technology is constantly changing
- Understand that technology is everywhere
- Review computer application skills
- Use critical reading, writing, and thinking skills

**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 to a greater degree as the school year progresses
- Use time productively
- Make plans and organize before working
- Work quietly when directed
- Complete work in a timely manner
- Evaluate own work