

WHITEFISH BAY SCHOOL DISTRICT

Parent Curriculum Overview

Grade 3



SCHOOL DISTRICT OF WHITEFISH BAY
1200 E. FAIRMOUNT AVE
WHITEFISH BAY, WISCONSIN
www.wfbschools.com

Parents/Guardians of Whitefish Bay Elementary School Students,

Education in Whitefish Bay Schools is a partnership that includes the school, the family and the community. As partners in the education of your children, we want you to be informed about what your child will be learning during this school year. The purpose of this Curriculum Overview is to provide families with a basic overview of the core instructional program at each grade level.



Curriculum in the elementary level is designed to provide students with a strong foundation in general knowledge and skills that will make it possible for them to think creatively and critically as they progress through the K-12 system. To these ends, district curriculum is carefully established by committees composed of the professional staff and community representatives. All curricula undergo comprehensive review and are formally updated every six-seven years through the district curriculum review cycle. Student performance data on a variety of classroom, local, state and national assessments are analyzed on an annual basis to ensure students are progressing toward the district's academic standards.

These standards challenge students to learn a broad range of content knowledge and skills while developing their ability to process that knowledge and use those skills. This balance between content (information and knowledge) and process (problem solving and real-world application) may be a shift in approach to the education you received when you were in primary school, yet should set the foundation for future learning for college and career readiness.

The methods and instructional strategies in our classrooms bring the curriculum to life. First, we embrace Flippen's saying, "Once you capture a child's heart, you have his mind." Teachers develop trusting relationships with students, and amongst the students in the classrooms, in order to maintain a nurturing climate wherein learning will flourish. Reading and mathematics instruction are offered in flexible, large and small group settings. Hands-on learning activities develop conceptual understanding of mathematics, science and social studies. Students in grades second through fifth will participate in an exposure to world language program (Spanish). Strong programs for art, music, physical education, library-media and guidance, along with the integration of technology as a learning tool, are other important components that contribute to the vitality of the elementary-level program.

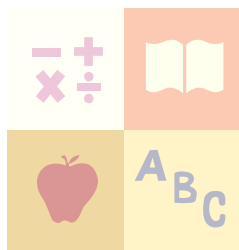
While teachers strive to meet the needs of all students in the classroom, some students benefit from additional assistance or challenge. Academic support programs are available in reading and math. Similarly, gifted and talented programming exists for students whose need for academic challenge far exceeds that of the regular classroom.

If you would like more information about the district curriculum, log on to www.wfbschools.com and select the district office link and then select Director of Teaching & Learning Services. On this webpage you will find links to curriculum overview documents, learning standards, and resources for parents. After you have reviewed these resources, if you wish to obtain additional information, please contact your child's teacher, your child's principal, or by contacting the Teaching & Learning Office at 963-3927.

As you support your child's academic and intellectual growth this year, encourage him or her to enjoy learning, take risks, confront misunderstandings, put forth diligent effort to develop new skills, and ask an abundance of questions. A tenacious curiosity and an ability to see challenge as an opportunity for growth will provide rewards for a lifetime.

Sincerely,

Maria Kucharski
Director of Teaching & Learning Services
School District of Whitefish Bay



Grade 3 Mathematics

When today's students become adults, they will face new demands for mathematical proficiency. All young Americans must learn to think mathematically, and they must think mathematically to learn (Adding It Up, National Research Council, 2001).

Math Expressions, our newly adopted math resource, is replacing *Everyday Math* beginning the 2013-2014 school year. In *Math Expressions Common Core*, teachers create an inquiry environment and encourage constructive discussion. Students invent, question, model, represent and explore, but also learn and practice important math strategies. Through daily Math Talk, students construct viable arguments and critique the reasoning of others. Mathematics content and models connect and build across the grade levels to provide a progression of teaching and learning that aligns precisely with the Common Core State Standards for Mathematics.

In third grade, instructional time will focus on four critical areas within a Common Core Curriculum; (1) developing understanding of multiplication and division and strategies for multiplication and division within 100; (2) developing understanding of fractions, especially unit fractions (fractions with numerator 1) (3) developing understanding of structure of rectangular arrays and of area; and (4) describing and analyzing two-dimensional shapes.

In addition to the critical areas listed above, in third grade students will know and understand:

- multiplication and division within 100.
- how to make sense of problems and persevere in solving them.
- how to model with mathematics and attend to precision.
- how to represent and solve problems involving multiplication and division.
- how to determine the unknown whole number in a multiplication and division equation.
- how to apply properties of operations as strategies to multiply and divide and to explain arithmetic patterns.
- how to fluently add and subtract within 1,000 using strategies and algorithms.
- how to solve two-step word problems using the four operations.
- how to collect, order and display data in tables, charts and graphs.
- two and three dimensional shapes and other geometric concepts.
- the measures of length, area, capacity, weight and elapsed time.
- tells and writes time to the nearest minute, calendars, time lines, thermometers, and ordinal numbers.
- comparing of two fractions with the same numerator or the same denominator.
- expressing of whole numbers as fractions.
- to recognize and generate simple equivalent fractions.
- the basic meaning of place value to round and estimate whole numbers.
- the basic difference between odd and even numbers.
- to recognize, understand and measure area.
- how to solve real-world problems involving perimeters of polygons, including an unknown side.
- to read and interpret simple bar graphs, picture graphs, and line graphs.
- to partition shapes into parts with equal areas.
- to explain verbally the strategies used in solving a problem.
- to explain solutions to problems clearly in written form and to support with evidence.



Grade 3 Social Studies Overview of Content, Skills, and Projects

The Whitefish Bay Social Studies curriculum will nurture attributes, knowledge, and skills through which young people become socially active and informed citizens who understand the structure and processes of society and have the ability to adapt in a changing social, political, and economic environment.

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| Where in the World Is Our Community? | Learn geographic features of the earth, like equator, hemispheres, and continents. They use that knowledge to steer their space shuttle back to its landing site on earth. |
| Where in the United States Is Our Community? | Work with a partner and use a compass and ruler to find the distance and direction from their community to various landmarks around the United States. |
| What Is the Geography of Our Community? | Learn about physical geography, natural resources, and climate and use that information to create a travel brochure about a community in the United States. |
| How Do People Become Part of Our Country? | Become “immigrants” and experience key aspects of the immigrant experience, like why people leave their countries and challenges immigrants face to get to America. |
| What Makes Our Community Diverse? | Work in groups to brainstorm examples of things that make their own community diverse. Examine languages, foods, holidays, and traditions from different cultures. |
| How Do People Improve Their Communities? | Work in groups to learn about individuals who helped to improve their own communities. Students then create a human statue to commemorate one of these people. |
| How Are We Alike Around the World? | Students learn about children from communities in other parts of the world. Then they write a letter to one of them, describing similarities and differences in their lives. |
| How Does Our Economy Work? | Become “buyers” and “sellers” at a fresh fruit market in order to learn about the concepts of supply and demand. |
| How Does Global Trade Affect Our Community? | Sit in a large circle and trade goods with one another, in the process creating a literal web of global trade. |



Grade 3 Science

Students will develop the scientific knowledge, skills, and attitudes that enable them to make informed use of science in their lives.

In third grade, students engage in a variety of investigations to develop important skills and understandings:

- Be introduced to the concept of earth materials and the tools and techniques of the geologist by investigating the properties of a homemade mock rock. Students separate it into different ingredients by means such as dissolving in water and evaporation.
- be introduced to minerals as the basic earth materials that make up rocks. They observe, describe and record properties of four minerals and use the scratch test to determine the relative hardness.
- observe the characteristic property of the mineral calcite – the mineral bubbles when placed in an acid such as vinegar. Using this test, students go on a quest to find calcite in four common rocks.
- study the rock granite. The students are challenged to use the properties of five minerals to find out which of the minerals are found in granite.
- investigate the human skeleton with direct observation, photographs, diagrams and models.
- discover how different tissues (bone, muscle, ligament, tendon) work together to provide movement, protection, and structure.
- conduct a systematic investigation to find out how different parts of the body work together to coordinate responses to tactile and visual stimuli.
- learn the need for standard units of volume. Syringes and graduated cylinders
- compare the temperatures of three cups of water using their fingers, which leads to the need for a measurement tool and a standard unit. Students use alcohol thermometers and measure in degrees Celsius.
- understand that scientific investigations involve asking and answering a question and comparing the answer to what scientists already know about the world.
- that scientists use different kinds of investigations.
- identify the names of the planets and their location in the Solar System.
- create model and drawings that represent the Solar System.
- further their understanding of the nature of scientific inquiry



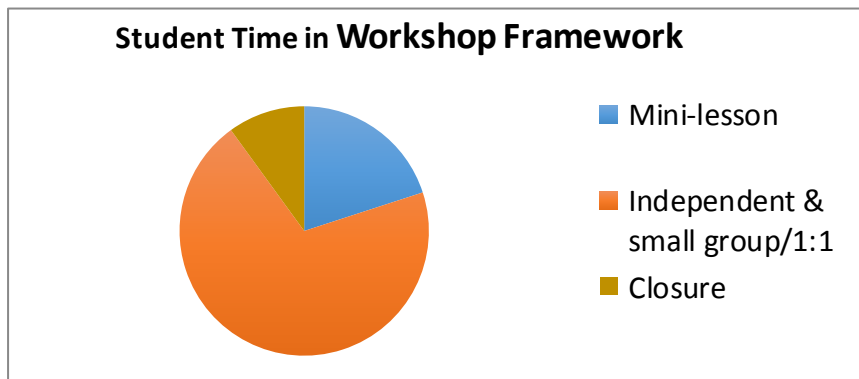
Grade 3 English Language Arts

The Whitefish Bay School District strives to foster a culture of literacy by providing students with a **cognitive apprenticeship** environment that would enable them to grow into successful readers, writers, listeners and speakers.

Starting in the fall of 2016, the WFB School District will begin a staggered implementation of a balanced literacy program that will be completed by the end of the 2017-2018 school year. A balanced literacy program includes:

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| Read Aloud | Independent Reading | Shared Reading |
| Guided Reading | Literature Discussions | Writing Process |
| Independent Writing | Phonics and Word Study | Language Investigation |

The main instructional strategy that is utilized in our balanced literacy program is the workshop framework. Specifically, within each ELA block, which includes Language Studied, Writing Workshop and Reading Workshop, students participate in lessons that include: teacher instruction (modeling, teaching), guided/collaborative practice, independent practice, small group or conferring, and debriefing or closure.



Our District develops our own units of study through an integrated thematic approach. At the third grade level, your child will study the following integrated literacy units within our overarching themes of: community and relationships, literacy tradition, living things, sense of self, inspired by true stories and genre studies:

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|----------------|---------------------|-----------------------------|
| Diversity | Trickster Tale | Where WE Live- Solar System |
| Growth Mindset | Making of an Author | Poetry |

Grade 3 World Language



The purpose of the world language program in Whitefish Bay schools is to give students the opportunity to listen to, interact with, and begin to speak another language. Students receive Spanish instruction for an average of 30 minutes per week.

The third grade World Language student will begin to learn to:

- Use salutations
- Count from 1 to 100, by 10's – 1000, and practice math problems
- Recite the alphabet
- Identify group vocabulary
 - Colors and shapes
 - Calendar (days, months, date, seasons and weather)
 - Clothing
 - Body parts
 - Family
 - Animals
 - Classroom objects
 - Directional words and prepositions
- Demonstrate understanding of simple commands
- Understand various aspects of culture, such as:
 - Food
 - Music
 - Holidays
 - Dances

During the 2016-2017 school year, a pilot language lab program will be implemented into the second grade curriculum, while maintaining the current face-to-face programming. Depending on the elementary building your child attends they will either be able to explore a language of choice during the language lab time or will be a part of a blended Spanish language lab experience. Students will be utilizing the lab for 60 minutes every other week, when they are not having their face-to-face instruction.

Health and Human Growth & Development



The mission of the K-12 Health Education curriculum:

Students will develop the necessary knowledge, skills, and understanding for mental/emotional, physical, and social well-being.

In third grade, students will understand health promotion through instructional concepts such as:

Human body systems
Emotional, and social health
Family life
Growth and development
Fitness

Nutrition
Disease control and prevention
Safety
Community and environmental health

Students will be provided opportunities to learn and practice life skills through lessons that use real life situations. The life skills include:

Making decisions
Managing stress
Setting goals

Resolving conflicts
Communication
Refusing risky behaviors

The mission of the K-12 Human Growth & Development (HGD) Education curriculum:

The curriculum will complement the home by providing students with the knowledge, skills, and support necessary to understand their social, mental/emotional, and physical development in order to make responsible decision about health and age-appropriate sexual behavior throughout their lifetimes.

** HGD is an elective program. Parents may opt-out their students from participating in identified lessons.*

In third grade, students will understand healthy decision-making, and social, mental/emotional, and physical development through instructional concepts such as:

- Respecting and appreciating that each person is unique and special
- Understanding that different groups and cultures have similar wants and needs
- Describing different types of families in our society and examining the roles, responsibilities and needs of a family.
- Recognizing that living things reproduce their own kind and in different ways (seeds, eggs, born alive).
- Discussing physical self development and body awareness (each body part has a specific name and use, need for personal hygiene, importance of proper nutrition).
- Identifying external male and female body parts.
- Discussing preventative behavior and caution with strangers.
- Recognizing different types of abuse exist (physical, emotional & sexual) and can be committed by someone you know.
- Distinguishing between appropriate and inappropriate touch, and differences between abuse and discipline.
- Identifying supportive help in the home, school and community.
- Recognizing that certain rights are protected by law.

Elementary Specials Overview

General Music



Mission of the K – 12 Music Education Program:

Students will begin a lifelong relationship with music through listening, describing, creating, and performing.

The kindergarten through fifth grade music program offers a broad spectrum of opportunities designed to promote development on each child's musical potential. It is our goal to provide each student with the skills necessary to both create and enjoy music while understanding it as a universal means of expression. Lessons are designed to convey the joy of music that will encourage each child to seek musical opportunities later in life.

Beginning at the earliest level, students sing, chant, move, and dance to music composed by others while they are encouraged to alter, modify, expand, and improvise upon that music, later creating and composing music on their own. Throughout the elementary school years the children build skills of listening and responding, reading and writing music. The student's own voice is nurtured and good choral habits are stressed throughout the grades. Classroom instruments, both rhythmic and tonal, are used along with recorders at the third grade level and electric keyboards in the upper elementary classes.

The music literature in the classroom is chosen to reflect the backgrounds of our students as well as to expose them to the wide diversity of music created by the peoples of the world.

All children receive General Music instruction as per the time allotments shown below. In addition, fourth and fifth grade students may choose to be involved in the string program. Fifth grade students may choose to be involved in the band program. All fifth grade students are included in the fifth grade choir program.

General Music Time Allotments:

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| Senior kindergarten through 5 th grade: | 30 minute classes twice per week |
| 5 th grade Band, Orchestra, Choir Assemble: | 60 minute classes twice per week |
| 5 th grade Band, Orchestra | 30 minute additional lesson once per week |



Art

The mission of the K – 12 Visual Art program:

Students will gain the ability to manipulate a variety of media, and develop creative problem-solving skills. Students will build and expand their understanding of art and themselves, as well as establish a life-long relationship with the visual world.

In the elementary art program, students will develop creativity and problem-solving skills, build and expand their understanding of art, and successfully manipulate a variety of media.

The elementary art curriculum allows students to begin to:

- Demonstrate understanding of artistic principles through effective use of media, tools, vocabulary and processes.
- Manipulate various media, materials and/or images to be expressive.
- Develop and relate his or her knowledge of art to themselves and others.
- Understand, discuss and respond to works of art.

Students experience a wide variety of materials and media in the elementary art program. They are shown proper techniques for creative use of materials. Projects are assigned with specific goals and criteria in mind, but allow for personal creativity and problem solving. When possible, art experiences link to school-wide as well as classroom learning themes and activities.

Learning experiences center around:

The Elements of Art

Color
Value
Line
Texture
Shape
Form
Space

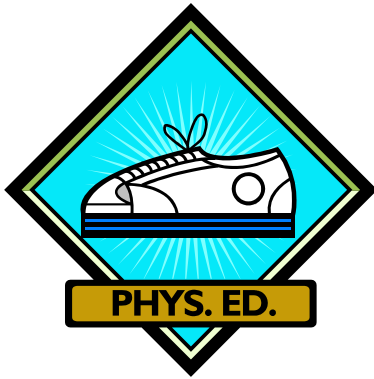
The Principals of Design

Balance
Emphasis
Harmony
Variety
Movement
Rhythm
Proportion
Unity

Art Time Allotments:

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|--|-------------------------------|
| Junior Kindergarten | 30 minute class once per week |
| Senior kindergarten through 5 th grade: | 60 minute class once per week |

Physical Education



Physical Education will enable each student to acquire the knowledge and skills to pursue and enjoy a lifetime of healthful activities.

Elementary physical education offers a wide variety of physical activities to our students. Our theme of “children learning to move and moving to learn” guides us to teach not only physical skills, but also movement concepts and principles needed for their development.

Optimal fitness for students ages 4 to 11 is the priority. Building healthy lifestyles through physical activity is discussed and practiced in every class. Good sportsmanship, teamwork, respect, and establishing positive attitudes and self-confidence are also common threads in each lesson. Students will learn responsible social and personal behavior in the gym while fitness and physical skills are practiced, and aerobic and sport-specific games are played.

We hope that children will wholeheartedly enjoy physical activity so it will become an integral part of their daily lives and carry over into adulthood.

Physical Education Time Allotments:

| | |
|--|--|
| Junior kindergarten: | 30 minute class once per week |
| Senior kindergarten through 5 th grade: | 30 minute classes three times per week |



Technology

The district’s mission for instructional technology:

Students will be self-directed learners who can access, evaluate and apply the most effective tools and resources to communicate and compete globally. In order to meet this vision, students need meaningful, dialing integration of technology.

Teachers design and implement technology experiences which allow students to access technology at developmentally appropriate stages.

Integrated technology instruction allows students to:

- Use a variety of technology tools in order to facilitate and demonstrate learning across the curriculum.
- Use technology to communicate in various ways.
- Understand and operate computer systems and other technologies.
- Understand, respect and apply rules of ethics to be responsible users of technology.

Technology applications are integrated as appropriate throughout the elementary curriculum. Integrated word processing instruction is introduced in first grade, with new elements added each year through grade five. Word processing is integrated with other curricular areas such as reading, language arts, science, and social studies. Formal keyboarding instruction begins in third grade and builds through grade five. Efficient, safe, and ethical use of varied technologies is taught at all grade levels.