

## Communication Arts

- **Reading**
- **Writing**
- **Speaking**
- **Listening**

## Mathematics

## Science

## Social Studies

## French

### Third Grade

Prefixes and suffixes. Reading comprehension strategies for expository text. Realistic fiction, mysteries, fables, folk tales, poetry forms. Writing process: prewriting, revision, and editing. Dialogue. Written reports, stories, and folk tales. Persuasive writing. Oral presentations.

Numbers and place values through millions. +, -, x and ÷ of whole numbers. + And – of fractions and decimals. Customary and metric measurement. Number expressions and sentences. Symmetry, congruence, and similarity of polygons. Problem-solving strategies. Data collection and interpretation. Graphing. 2- and 3-dimensional objects.

Health. Variables and experimental design. Erosion and landforms. Parts of the Solar System. Environments. Mixtures and Solutions. Measurement. Collecting, organizing, and interpreting data. The Scientific process. Science Current Events and Issues.

Components of a community. Historic Community: Plymouth., Canada, Africa, Global communities (sister cities): Chinnendaga (Nicaragua), Kanonji (Japan), and/or Kurgan (Russia). Map and globe skills. Critical analysis and judgments and current events.

Numbers to 100 and alphabet. Colors and weather. Days of the week and months of the year. School subjects and classroom objects. Food and body parts. Family members and animals. Introductions and personal descriptions. Letter writing and French cursive. Songs and nursery rhymes. Paris.

### Fourth Grade

Book talks and reading comprehension strategies. Tall tales, legends, information books, historical fiction, mythology, animal fantasy. Literary techniques and fluency in writing. Editing. Written summaries, informational essays, reports, poetry, reflections. Basic keyboarding. Oral presentations.

Numbers and place values through billions. +, -, x and ÷ of whole numbers, fractions and decimals. Properties and relationships between 2- and 3-dimensional geometric figures. Ordered pairs. Perimeter, area, and volume. Variables in simple expressions. Problem-solving strategies. Mean, median, and mode. Simple statistical analysis. Graphing. Probability.

Sound. Water. Health. Food and Nutrition. Structures of Life. Human body – muscular and skeletal systems. Magnetism & electricity. Collecting, organizing, and interpreting data. The Scientific process. Science Current Events and Issues.

Wisconsin and the Mid-west Region: Native Americans, explorers and fur traders, immigration (1800's to present), state government, agriculture/dairy, lumbering and paper, manufacturing, and U.S. geography. Current events and critical thinking.

Activities and sports. Travel, transportation and giving directions. Meals and ordering food. Clothing and personal descriptions. Making plans and using the telephone. Present tense of irregular verbs and regular –ER verbs. Near future and command forms of irregular and regular –ER verbs. French-speaking world.

### Fifth Grade

Interpretation and evaluation of literature. Reading comprehension strategies. Autobiographies/biographies, satire, famous speeches. Purpose and audience of written work. Editing. Essays that persuade, compare and contrast. Written reports, narratives, poetry, plays. Gestures, eye contact, and inflection to reinforce oral message.

Addition, subtraction, division and multiplications of decimals, fractions and mixed numbers. Comparison among whole numbers, fractions, decimals and mixed numbers. Lines, planes, and solids. Perimeter, area and volume. Order of Operations. Problem-solving strategies

Landforms, rock cycle, plate tectonics, the layers of the earth. Atoms, periodic table. Phases of matter. The human heart and heart dissection. Ideas and inventions. Collecting, organizing, and interpreting data. Scientific process.

United States history: Early American before 1775, American Revolution through 1800, Westward Expansion, Civil War. States and regions. Current events and critical thinking.

Travel and shopping. Chores. Healthy eating and exercise. Present tense of regular –IR and –RE verbs. Present tense of modal verbs. Compound past tense. Canada and French in the Americas. Comic books and art.

### Sixth Grade

Analysis of style and characteristics of selected authors. Recurring literary themes, bias, and persuasive and informative techniques, essays, editorials, mythology. Varied, complex sentence structure when writing. Effective usage of parts of speech. Editing. Self-analysis of small group participation.

Transformations (reflections, rotations, translations). Constructions (polygons, circles, angles). Geometric formulas. Mathematical expressions and equations. Order of Operations. Problem-solving strategies. Functions. Samples of populations. Statistical measurement. Positive and negative numbers. Two dimensional coordinate plane (points, lines, figures.)

Relationship of earth, sun and moon, space exploration. Chemical reactions. Plant and animal cells, diversity of life, eye dissection. Collecting, organizing, and interpreting data. Scientific process.

Mexico, Central America, the Caribbean, and South America: geography, climate, history, cultural changes, government, economy, and current events. Critical thinking.

House and city. Giving directions. Meals and regional foods. Gift items. School day events and routines. Sports and weekend activities. Command forms of verbs. Adjective agreement and placement. Pronoun placement. Compound past tense of irregular verbs and past participle agreement. Formal and informal questions. France and Martinique.

### Seventh Grade

Self-selected and teacher-selected classic and contemporary literature. Reading skills: comparison/contrast, sequence, charts and graphs. Thesis question/state-ment. Research with outline and (MLA format) bibliography and parenthetical documentation. Writing focus: format, sequence, precise language, terms of comparison. Audience feedback to improve presentations.

Use properties and relations with expressions involving real numbers and variables. Examine radical expressions, analyze linear functions and graphs, solve systems of equations in two variables, solve quadratic equations, perform operations on polynomials, use statistics and probability to solve problems.

Nature of science, scientific method. Evolution, geologic time, solar system formation, origins of life. Human impact on environment. Genetics, transcription, translation. Population biology. Bacteria/viruses. Human body. Ocean currents, weather. Space exploration. Active and passive transport.

Europe, Russia and Northern Eurasia, South-west Asia, Africa, East and Southeast Asia, South Asia, the Pacific World and Antarctica: geography, climate, history, cultural changes, government, economy, and current events. Critical thinking.

Health expressions and staying fit. Childhood activities and personal happenings. Types of music, movies and books. Personal and social responsibilities. Describing clothing and hairstyles. Compound past of reflexive verbs and past participle agreement. Using the compound past and the imperfect past. Direct object, indirect object, relative, interrogative and demonstrative pronouns. Subjunctive mood of verbs. Ivory Coast and French-speaking Europe.

### Eighth Grade

Analysis of historical fiction, science fiction, poetry, essay, drama, fantasy, science fiction and short story. Reading skills: evaluation, chronology, cause/effect, tables and timelines. Narrative and expository writing research. Writing focus: cause/effect, hypothesizing, connecting, synthesizing, grammar. Using notes or outline in oral presentations.

Observe properties and relationships of 3 dimensional figures, model concrete problems with geometric concepts, present convincing, logical oral and written arguments, integrate algebra and geometry using 2 and 3 dimensional rectangular coordinate systems, apply techniques of measuring and construction, apply the concept of transformations to compare figures.

Carbon and Nitrogen cycles. Sun/earth/moon relationships. Stellar evolution. Mitosis/meiosis. Waves. Cellular respiration and photosynthesis. Electricity. Nuclear reactions. Newton's laws, fundamental forces, speed, velocity, acceleration, momentum, work/power. Chemical reactions, radioactivity.

U.S. history introductory survey course: concepts, events, people and the heritage of the United States. Reconstruction to the present. Current Events and critical thinking.

Future plans and careers. Traditional and city life. Television and music. Future and conditional tense of verbs. Reciprocal verbs and superlative. Past infinitive and past perfect. Negative expressions and conditional sentences. Relative pronouns. Senegal, Morocco, Central African Republic, Tunisia, Canada, Guadeloupe and Louisiana.

**A student's individual program may vary.**

## Science Program Goals

### Students at Odyssey/Magellan will:

- Know about science themes and connect and integrate them into what they know about themselves and the world around them.
- Realize that scientific knowledge is public, replicable, and continually undergoing revision and refinement based on new experiments and data.
- Realize that science includes questioning, forming hypotheses, collecting and analyzing data, reaching conclusions, evaluating results, and communicating procedures and findings to others.
- Use science to explain and predict changes.
- Use science to evaluate consequences in order to make responsible choices.
- Use their knowledge of science concepts and processes in making informed choices regarding their lifestyles and the impact they have on their environment, and enhance their natural curiosity about their environment.
- Understand that science and technology affect the Earth's systems and provide solutions to problems.
- Use science to analyze topics related to personal health, environment, and management of resources; they will help evaluate the merits of alternative courses of action.

## Communication Arts Program Goals

### Students at Odyssey/Magellan will:

- Develop a positive attitude toward the communication experience.
- Become independently proficient in reading strategies.
- Understand the role of literature in the human experience and be able to apply this understanding to their own lives.
- Become lifelong readers.
- Communicate verbally and nonverbally in a spontaneous, creative, organized, and fluent manner using an extensive and appropriate vocabulary.
- Apply the writing process to produce a variety of written expressions to accomplish diverse purposes and under varied circumstances.
- Use attentive listening and observation as tools for both academic and social learning.
- Give evidence of multiple thinking modes in all areas of communication (e.g. logical, inferential, creative, problem solving).
- Locate and utilize a wide variety of sources for information and recreation.
- Understand and apply technology in the communication process.

For further information, please contact your child's teacher or the building principal.

### For curricular area questions, please contact:

#### Communication Arts/Social Studies/ World Language

Jacqueline Klimaszewski, Humanities Director  
832-1743

#### Mathematics/Science/Physical Education/Health

Christine Warrick, Curriculum Coordinator  
832-5710

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Cov tsev kawm ntawm hauv Appleton no txwv tsis pub thuum, cem, cais, thiab ua tsis ncaj ncees rau ib tug tibneeg twg vim nws yog pojniam lossis txivneej, nws cev nqaij daim tawv, los yog xim qaij daim tawv ntawm nws haiv neeg, nws txoj kev ntseeg lossis kev dab qhuas, nws haiv neeg, nws caj ces mus rau poj koob yawm txwv, kev lis kev coj, muaj/tsis muaj menyum, muaj/tsis muaj pojniam lossis txiv, muaj/tsis muaj tub ki, kev plees kev yi, lossis puas tes puas taw ntawm cev nqaij daim tawv, kev nyuaj siab ntxov plawv, kev kawm tsis tau lossis ib yam dabtsi qeeb/poob qab ntawm kev kawm. Txoj cai hauv Federal txwv tsis pub thuum, cem, cais thiab ua haujlwm vim nws lub hnub nyoog, nws haiv neeg, nws cev nqaij daim tawv, nws caj ces, los yog xim qaij daim tawv ntawm nws haiv neeg, yog pojniam lossis txivneej, nws kev ntseeg los yog kev dab qhuas thiab puas/xaim ib qho dabtsi ntawm cev nqaij daim tawv lossis hauv hlwb (handicap).



Appleton Area School District

# Odyssey/ Magellan Curriculum at a Glance

## Grades Three Through Eight

## Communication Arts

## Mathematics

## Science

## Social Studies

## French

## Mathematics Program Goals

### Students at Odyssey/Magellan will:

- Become mathematical problem solvers.
- Learn to reason mathematically.
- Learn to communicate mathematically.
- Make mathematical connections.
- Become proficient in basic computational skills.
- Learn to use technology appropriately.

## Social Studies Program Goals

### Students at Odyssey/Magellan will:

- Develop a chronological sense of time, continuity and change, and awareness of geographic place.
- Recognize that history and culture influence a society.
- Discern cause and effect relationships.
- Understand reasons for conflicting ideas and to develop possible resolutions.
- Develop a wider perspective.
- Interpret visually-oriented content.
- Recognize the rights and responsibilities of individuals and of society.
- Analyze and evaluate information/data.
- Understand and practice democratic beliefs.
- Develop an awareness of current affairs.
- Recognize facts and vocabulary pertinent to the grade and/or discipline.

## French Program Goals

### Students at Odyssey/Magellan will:

- Listen to and comprehend a native speaker of the target language within contexts familiar to the student.
- Discuss topics of personal importance with a native speaker of the target language.
- Read with understanding authentic non-technical texts in the target language.
- Write effectively in the target language to communicate information about a variety of topics.
- Interact in a culturally sensitive manner with speakers of other languages.
- Acquire a greater understanding of target cultures through their fine arts, history, and literature.