

Applications of Learning

Through Applications of Learning, students demonstrate and deepen their understanding of basic knowledge and skills. These applied learning skills cross academic disciplines and reinforce the important learning of the disciplines. The ability to use these skills will greatly influence students' success in school, in the workplace and in the community. (ISBE, Illinois Learning Standards, 1999)

- **Solving Problems** – Recognize and investigate problems; formulate and propose solutions supported by reason and evidence.
- **Communicating** – Express and interpret information and ideas.
- **Using Technology** – Use electronic equipment, computers and networks to access information, process ideas and communicate results
- **Working in Teams** – Learn and contribute productively as individuals and as members of groups
- **Making Connections** – Recognize and apply connections of important information and ideas within and among learning areas

Language Arts

Through the literary elements of fiction, traditional literature, poetry, biography and non-fiction children will experience a wide range of instructional activities in listening, reading, writing, discussing and/or speaking.

Reading

- Apply word analysis and vocabulary skills for comprehension
- Apply reading strategies to improve fluency
- Comprehend a broad range of reading materials
- Understand how literary elements and techniques are used to convey meaning
- Read and interpret a variety of literary works for a variety of purposes
- Utilize different reading strategies

Writing

- Use correct grammar, spelling, punctuation, capitalization and structure
- Compose well-organized and coherent writing for specific purposes and audiences
- Communicate ideas in writing to accomplish a variety of purposes
- Draft, revise, edit and proofread writing

Listening and Speaking

- Listen effectively in formal and informal situations
- Speak effectively using language appropriate to situation and audience

Mathematics

- Apply rational numbers, ratio and proportion in real-world and problem-solving situations
- Investigate the concept of exponents in various real-world and problem-solving contexts

- Describe and extend a pattern in a sequence of numbers
- Investigate concept of similarity with materials for enlargement and reduction of figures – scale drawings
- Continue to investigate the angle, perimeter and area properties of triangles and quadrilaterals
- Apply statistical concepts to collections of data and use in problem solving
- Investigate various probability statistics for actual data and experiments and use in problem solving
- Interpret data presented in surveys, census, spreadsheets, data bases, graphs, tables, maps

Science

Life Science – Genetics – Processes of Life

- Cell division
- Basic genetics – mitosis, meiosis, DNA structure
- Basic Mendelian Laws
- Plants and animals

Physical Science – Energy – Forces and Motion

- Atomic structure
- Electricity
- Speed, momentum and acceleration
- Newton's Laws

Earth and Space Science – Ecology and Environment

- Interactions of environment and organisms, environmental issues

Science as Inquiry

Safety, organizing, graphing and interpreting data, measurement skills, observing vs. inferring, lab reports/experimental design, independent and dependent variables, predicting vs. hypothesizing, what is science

Science, Technology and Society

History of science, science in the new millennium, misrepresentations and misconceptions in science, how science solves problems of society, how technology affects society, current trends in science, using technology in scientific inquiry, models and simulations, limitations of technology, trade-offs, evolution of science and technology, careers in science and/or technology

Social Studies

- Analyze and compare world cultures
- Experience in-depth study of Holocaust/Tolerance unit of study
- Analyze and interpret current events
- Learn the responsibilities of global citizenship
- Understand celebrations from world cultures
- Understand themes of world geography – physical and cultural
- Basic understanding of present religions, such as Christianity, Judaism and Islam

World Languages

By the end of seventh grade, students will:

- Comprehend main messages of simple oral and audio presentations
- Follow instructions in the target language
- Respond to open-ended questions and initiate communication
- Produce language with improved pronunciation, intonation and inflection
- Use appropriate non-verbal cues
- Demonstrate selected customs, manners and traditions in societies associated with the target language
- Create simple print and/or non-print media messages (e.g. advertisements, posters, television, radio, brochures, web sites)
- Describe geographical aspects (e.g. population distribution, natural resources and main economic activities) of areas where the target language is spoken
- Use the target language to gather and organize data
- Use the target language to describe physical and geological features, vegetation and animal life indigenous to areas where the target language is spoken
- Use the target language to identify and describe occupations unique to the areas where the target language is spoken

Information Literacy Skills

Under development

Physical Education/Wellness

Students will have instructional and physical activities in:

- Intermediate organized games
- Rhythmic activities
- Gymnastics and tumbling
- Individual sport skills
- Intermediate dual sports and recreational games
- Intermediate team sports
- Fitness education
- Social/emotional growth

Health

By the end of seventh grade, students will:

- Compare and contrast the major physical and mental developmental changes occurring during puberty
- Summarize the principles of good nutrition, proper use of drugs, physical and emotional health and assess how behavior can influence health maintenance and disease prevention
- Analyze and evaluate problems in consumer and environmental health and safety through application of research skills
- Develop and execute a personal fitness plan, and evaluate their fitness status through the collection and analysis of fitness data
- Demonstrate basic first aid and life saving skills

General Music

Students will have instructional and experiential activities in:

- Interactive listening process involving music perception, cognition, analysis and evaluation resulting in aesthetic awareness
- Personal experiential interaction with music through singing, playing, performing and moving
- Creative composition /arranging for organized sound designed to express feelings
- Spontaneous creation of original music
- Formal /constructive elements of music theory, vocabulary, syntax and symbolic representations of music
- Historical, social and cultural context for musical insight
- Musical performances

Instrumental Music

Students selecting instrumental music instruction will:

- Write on manuscript paper, 12 major scales using key signature and appropriate clefs
- Define, pronounce and perform music vocabulary
- Identify various musical forms
- Perform a solo with correct dynamics, phrasing, articulation, rhythms and fingering
- Demonstrate ability to match pitch and sound, basic call and response patterns over four beats and basic ensemble skills
- Identify by sound different instruments, major and minor triads and intervals: major and minor second, third, perfect fifth and octave

Fine Arts (to be implemented)

- Recognize, identify, and demonstrate an understanding of the sensory elements and organizational principles of design as well as the expressive qualities of the visual arts
- Recognize, identify and demonstrate the basic use of materials and tools in order to understand how works of art are produced
- Create individual works of visual art
- Understand that works of art shape, reflect and play a role in societies, cultures and civilizations

Home Economics (Family and Consumer Science)

Consumer Sciences Education equips students with relationship and life skills needed to manage challenges of living in a diverse society across their lifespan. Categories of Family and Consumer Sciences Curriculum include:

- Career, community and family connections
- Consumer and family resources
- Family, social units and interpersonal relationships
- Human development, parenting and child care

- Food, nutrition and wellness
- Housing, fashion and interior design

Industrial Arts (Technology Education)

Under development

Drama

- Understand and use primary tools (body, mind, voice) and support tools (costumes, scenery, props, lights, etc.) to convey ideas through acting, playwriting and designing a drama or theater activity
- Experience storytelling, improvising and memorizing scripted material needed to create and perform in drama/theater

“Quality education is best delivered through a partnership of teachers, family and community.”

ST. SAVA ACADEMY

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7th Grade Curriculum

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