

NOTES:



*Exploration Class
Catalog
2021 - 2022*

2021-2022 Exploration Catalog
Barnette Magnet School

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INTERMEDIATE ESSENTIALS

(GRADES 4-8)

These classes complete the FNSBSD science curriculum objectives for grades 4-8 which are aligned with Alaska State Standards.

INTERMEDIATE SCIENCE (grades 4-8)

4TH GRADE

- | | |
|--------------------------|--------------------|
| ___ Beg. Science Methods | Offered Every Year |
| ___ Shocking Experience | Offered Every Year |

5TH/6TH GRADE

- | | |
|--|------------------|
| ___ Tangled Webs & 6 th Kingdom | Offered in 19/20 |
| ___ Wave Rave | Offered in 21/22 |
| ___ Blood & Guts | Offered in 19/20 |
| ___ Star Trek | Offered in 21/22 |

7th/8th GRADE

- | | |
|----------------------------------|------------------|
| ___ Earthquake | Offered in 21/22 |
| ___ Positive Energy | Offered in 19/20 |
| ___ Weather Detectives | Offered in 21/22 |
| ___ Hair Today, Gone Tomorrow | Offered in 19/20 |
| ___ What Goes Up Must Come Down! | Offered in 21/22 |
| ___ Adaptation Sensation | Offered in 19/20 |

INTERMEDIATE HISTORY/SOCIAL STUDIES (grades 4-8)

- | | | |
|---|---------|--------------------|
| ___ Route 66/US Geography (4 th Grade) | 2 qtrs. | Offered Every Year |
| ___ Three Worlds Meet (5 th Grade) | 2 qtrs. | Offered Every Year |
| ___ Ancient Civilizations (6 th Grade) | 2 qtrs. | Offered Every Year |
| ___ Global Geography (7 th Grade) | 2 qtrs. | Offered Every Year |
| ___ Early US History and Government (8 th Grade) | 3 qtrs. | Offered Every Year |

PRIMARY ESSENTIALS

(GRADES 1-3)

Use this checklist to assist you in planning for registration.

All primary essentials are offered every year.

These classes complete the FNSBSD science curriculum objectives for grades 1-3, which are aligned with Alaska State Standards.

PRIMARY SCIENCE (grades 1-3)

___ Explore Plants & Animals – Grade 1

___ Junior Scientists Grade 1

___ Explore Earth Science Grades 2-3 Recommended for Grade 2

___ Explore Physical Science Grades 2-3 Recommended for Grade 2

___ Explore Life Science Grades 2-3
2 Recommended for Grade 2

___ Explore Motion and Machines Grades 2-3 Recommended for Grade 3

PRIMARY HISTORY (grades 1-3)

___ My Place, Time & Space Recommended for Grade 1

___ Our Town... Government & Politics Recommended for Grade 2

___ Last Frontier
2 Recommended for Grade 2

___ Time Machine...History of Fairbanks
3 Recommended for Grade 3

___ Me on the Map...World Geography
3 Recommended for Grade 3

PLEASE NOTE:

- Some intermediate classes are offered on alternating years only. Plan accordingly.
- Class offerings may change based on funding and course interest.
- * This symbol indicates the class is required.
- \$ This symbol indicates a material fee associated with class.
- ♦ This symbol indicates that the class will utilize a rigorous curriculum and will be taught at a faster pace than most classes. Only students who are able to meet these standards should register for these classes. Priority will be given to students who have qualified for the ELP program.
- Middle school science classes will be open to 6th graders with supporting test scores.



ESSENTIAL PRIMARY SCIENCE

***JUNIOR SCIENTISTS (1)**

~ESSENTIAL SCIENCE~

The Junior Scientists class will introduce science to first-grade students. They will focus on the role of plants in the food web, heat, light, weather, and the elements. Students will improve their ability to observe, measure, and predict through simple investigations. They will learn about famous scientists such as George Washington Carver, Orville and Wilbur Wright, and Louis Pasteur. SC10

***EXPLORE PLANTS & ANIMALS (1)**

~ESSENTIAL SCIENCE~

Students learn about plants and animals. They find out how each survives, grows and meet their needs. Students learn how plants and animals copy their parents and how they stand out. SC28

***EXPLORE EARTH SCIENCE (2-3)**

~ESSENTIAL SCIENCE~

Students will learn about Earth's orbit, tilt, and rotation. This class will discuss the water cycle, erosion, and soil. Students will study famous scientists. In second and third grade, students begin to understand the scientific process and develop skills for scientific inquiry. SC03

***EXPLORE PHYSICAL SCIENCE (2-3)**

~ESSENTIAL SCIENCE~

Students will explore how sound is produced and travels. They will investigate the relationships between force, motion and energy. Students will learn about electricity, and how it is used to produce light, heat, and motion. Students will study famous scientists. In second and third grade, students begin to understand the scientific process and develop skills for scientific inquiry. SC05

***EXPLORE MOTION AND MACHINES (2-3)**

~ESSENTIAL SCIENCE~

Students will learn the six types of simple machines and how they work. Students will design and build a series of simple machines. They will be able to recognize simple machines as parts of other more complex machines. As a class, a complex machine will be invented with which they will apply the concepts of force, motion, and gravity. TE25

***EXPLORE LIFE SCIENCE (2-3)**

~ESSENTIAL SCIENCE~

Learn about plant ecosystems, fossils, and insects with an Alaskan focus. Students will continue to develop their understanding of scientific skills. SC14

***JUNIOR ENGINEERING (1)**

Did you ever think you could build so many things from Legos? Plan, predict, and construct projects using these familiar building materials. Incorporate Legos to build simple machines that uses gears, levers, ramps, and pulleys. TE01

◇EXTENDED LEARNING PROGRAM

PROSETRY IN PRINT (4-6)

◇Advanced

In this advanced language arts class, students will read great works of literature then discuss and share their thoughts. After researching authors, students will be inspired to write their own poems and stories. Products may include a children's book as well as writings and / or drawings for competitions. The class will move at an advanced pace with an emphasis placed on conferencing with peers, writing, creativity and reading. LI40

SOLVE FOR TOMORROW (4-8)

◇Advanced

Samsung's Solve for Tomorrow competition will be our focus. Students will collaborate in a team, find a creative solution for a local issue and then create materials to enter into the contest. Teamwork, research, critical thinking skills, and the ability to follow a process will create successful solutions. This is an advanced class and preference will be given to ELP students. LA45

GREAT BOOKS (4-6)

◇Advanced

Do you love to read? This ELP book club allows opportunities to read novels and participate in small group seminars/discussions. Book lovers will use the Junior Great Book Series to read and discuss classic stories. Comparing and contrasting different versions of the stories will add to the discussion fun! TLI34

THINGS THAT MOVE (4-6)

◇Advanced

In this class we will research, explore and create different things that have motion. Roller Coasters, cars, and things that fly may be some of the topics covered in this advanced class. Students will be challenged to think outside the box in order to complete "challenges" with their design. Preference given to ELP students. Class will move at an advanced pace. TE16

◆ EXTENDED LEARNING PROGRAM

These classes will utilize a rigorous curriculum and will be taught at a faster pace than most classes. Only students who are able to meet these standards should register for these classes. Priority will be given to students who have qualified for the ELP program. TE16

THE GREAT ESCAPE (4-8)

◆Advanced

Students will be creating and engaging in Escape Rooms. Solving challenging puzzles, finding clues, deductive thinking skills, and team work will be emphasized. Thinking outside the box, creativity, and reasoning skills are a must! This is an advanced class and will move at a more rigorous pace, providing content above grade level. ELP students given priority for enrollment. TE16

GAMES AND CONTRAPTIONS

◆Advanced

Students will explore a variety of games, learn the history and the strategy behind the game, then build their own game or contraption. Board games, logic games, and Rube Goldberg contraptions are some of the activities that will guide the classroom experience. Emphasis will be placed on perseverance, problem solving, communication, and flexibility as students create games and contraptions that others can try. This is an advanced class and will be moving at a rigorous pace. Preference given to ELP students. TE16

COMMUNITY ENGINEERING (4-8)

◆Advanced

Students will learn and utilize the Engineering Design Process as they investigate issues in our schools, community and world and design solutions to them. Collaboration, team work, communication skills, problem solving, as well as building and creating solutions will challenge students as they move from issue to issue. Preference given to ELP students. TE16

SCREAMERS (4-8)

◆Advanced

Students will apply the Problem Based Learning approach to complete a variety of activities that may include coding, writing, researching, painting, organizing, building, engineering, critical thinking, and movie making as a few of the options. Creative and logical thinking are a must in completing the variety of activities that encourage advanced learners to focus on their strengths and interests. Large paper-mâché creatures will be the culminating activity. TE16

ESSENTIAL INTERMEDIATE SCIENCE

There are 12 essential science explorations, eight of which are offered this school year. The other five will be offered again the following year. These explorations provide an overview of all district curriculum objectives in grades 4-8. After taking all of these “essential” classes, (marked with an *) an intermediate student will be prepared for the state science exam. The classes are designed to last one quarter. Every science exploration at the Magnet School will routinely use the science process skills of observation, prediction, hypothesis forming, data collection and analysis. Middle school classes will be appropriately rigorous in preparation for high school.

***BEG. SCIENCE METHOD (4)**

~ESSENTIAL SCIENCE~

In this class, you will learn steps of the scientific method and become a pro at formulating your own hypothesis. You will apply these skills to design your own science experiment. You will also gain experience using the “tools of the trade” for measuring and analyzing results... and yes, you will get to wear cool goggles.

***SHOCKING EXPERIENCE (4)**

~ESSENTIAL SCIENCE~

Use wires, batteries, bulbs and switches to build series and parallel circuits. Design your own circuits. Construct wet cell batteries and learn about resistors, fuses and breakers. Students will understand how voltage, current and resistance relate to each other and will explore the relationship between electricity and magnetism. Learn the shocking facts about static electricity. SC40

***WAVE RAVE (5-6)**

~ESSENTIAL SCIENCE~

Come discover the world of light, sound, and color. Explore sound waves, seismic waves, and the waves of electromagnetic spectrum. Catch the waves. SC30

***STAR TREK (5-6)**

~ESSENTIAL SCIENCE~

Experience the cosmos. Learn about the moon, the sun and the solar system. What makes each planet unique? Could we visit or even live on any of them? What about comets, meteors and asteroids? Think beyond the confines of what we can see – explore our place in the galaxy and the universe. SC29

ESSENTIAL INTERMEDIATE SCIENCE

***WHAT GOES UP (7-8)**

~ESSENTIAL SCIENCE~

Prerequisite for this class is: Must be in 8th grade Math

Unlock the mysteries behind Newton's laws of force and motion. Experiment with relationships among force, friction, mass, acceleration, and more. Find out just how cool gravity is. May the force be with you! SC27

***POSITIVE ENERGY (7-8)**

~ESSENTIAL SCIENCE~

Explore the science of food. Every time you follow or modify a recipe, you are experimenting with acids and bases, emulsions and suspensions, gels and foams. In your kitchen, you denature proteins, crystallize compounds, react enzymes with substrates, and nature desired microbial life while suppressing harmful bacteria and fungi. And unlike in a laboratory, you can eat your experiments to verify your hypothesis. SC33

***EARTHQUAKES (7-8)**

~ESSENTIAL SCIENCE~

Explore the dynamic planet we live on. Students will explore how earth processes change the face of our planet. We will see how movement within the earth's crusts causes mountains to form, volcanoes to erupt, and earthquakes to occur. Students will explore the rock cycle and how it affects earth's surface, using hands on activities and samples to bring this long-term earth process to life. SC17

***WEATHER DETECTIVES (7-8)**

~ESSENTIAL SCIENCE~

This class will incorporate a study of weather and global climatology. Students will collect data about temperature, wind direction/speed, humidity, and air pressure. They will learn how all of these factors work together to make weather and explore global patterns and warming trends. They will learn how weather is predicted and make some predictions of their own. SC19



FITNESS

READY, SET, GO! (4-6)

This class will encourage physical fitness, develop individual skills and team skills, and introduce a variety of activities and sports. Weather permitting; this activity time will alternate between inside and outside activities. Students must bring their outdoor gear! FH40

SPORTS ARENA (6-8)

For the athlete who enjoys team sports, this course will emphasize basic skills development, which is essential to succeeding in sports. The importance of physical fitness, health, nutrition, good sportsmanship and working as a team will be stressed as students participate in a variety of sports and games. FH19

RACQUET & NET GAMES (4-6) (6-8)

Students will be taught the proper techniques and rules for badminton, pickleball, tennis, volleyball, ping-pong, cricket, and lacrosse. FH06/08

AK SPORTS & REC (4-6) (6-8)

Get fit in Alaska! Activities include snowshoeing, orienteering, AK Native games, sledding, skiing and other games. Students must bring their outdoor gear. FH16 / FH02

DISC SPORTS (4-6) (6-8)

Learn how to throw a Frisbee, play disc golf, play Ultimate Frisbee, and keep score. Individual and team skills will be taught. FH27/FH24



FITNESS

PE GYM CLASS (4-8)

Students will focus on achieving and maintaining a physical fitness level for health and performance while demonstrating knowledge of fitness concepts and strategies. FH19

AEROBICS (4-8)

This class will get your blood pumping faster around your whole body! Students will learn proper movement, stretching, and dance with many different types of activities. FH12

***HEALTHY START (6-8)**

~Essential~

At some time during 6-8 grades, students must enroll in Healthy Start! This class will focus on health, wellness, and lifestyle and will cover such topics as self-concept, stress management, the digestive and respiratory systems, nutrition, communicable diseases and chemical awareness and dependency. Students will begin to understand the connection between what they do now and their long-term health! FH44

\$TRACK AND TRAILS (5-8)

\$15.00 Fee

This course is designed to hone your outdoor living skills. Alaska offers an abundance of outdoor activities, and it is important to be prepared for the harsh and sometimes unpredictable nature of our great state. We will incorporate reading, writing, and research with our physical activities and adventures. Some of the possible activities for this class include: a wilderness survival class, demonstrations and practice with building fires, putting up tents, cooking in the outdoors, and much more. FH49



OPTIONAL INTERMEDIATE SCIENCE

SPACE THE FINAL FRONTIER (4-6) (6-8)

Journey into the discovered and uncharted vastness of space. This course will cover Earth and our place in the solar system as well as our universe! Discover the difference between stars and learn how to navigate the night sky. SC11

NATURAL DISASTERS (4-8)

Floods! Volcanoes! Earthquakes! Lightening! Meteors crashing into Earth! What causes these natural disasters and how do they impact the world? Find out in this class. No helmet or safety glasses required. SC16



ESSENTIAL PRIMARY SOCIAL STUDIES

After taking all five of these essential classes, your child will have completed the FNSBSD Social Studies curriculum objectives for grades 1-3, aligned with Alaska State Standards in Geography, Government and Citizenship, and History.

***MY PLACE TIME AND SPACE (1)**

~ESSENTIAL ~

In this class the student will consider and celebrate families of all types, create a personal timeline, and explore ways that people impact our environment, demonstrate citizenship and impact their communities SC50.

***OUR TOWN (2-3)**

~ESSENTIAL ~

Students will create and construct a town complete with an elected mayor, town charter and laws, shopkeepers, banker, manufacturers, and other services. They will explore rules, laws, voting, and how individual actions affect the group and more. SS01

***TIME MACHINE (2-3)**

~ESSENTIAL ~

Go back in time 100 years and spend a day in a Fairbanks classroom. Explore, identify and locate Alaska on the map and basic land formations. Learn to describe how Athabascans and early settlers' contributions shaped the development of our community. SS03

***LAST FRONTIER (2-3)**

~ESSENTIAL ~

Explore the wonders of "The Last Frontier" by traveling across the great state of Alaska. Use mapping skills to identify major geographical and political regions across the state. Study state history to compare and contrast the past with the present. Examine regional diversity in population, culture, climate, weather, land use, and transportation. SS24

***ME ON THE MAP! (2-3)**

~ESSENTIAL ~

Young students will explore geography through an atlas they create with information about themselves and their world as they see it. Geographic skills learned will be cardinal directions, measuring & scale. Topics covered will also include the seven continents, the four hemispheres, the equator, prime meridian, oceans, and seas. SS32

OPTIONAL PRIMARY SOCIAL STUDIES

CASTLES (2-3)

Are you interested in King Arthur and the Knights of the Round Table? Are you fascinated with castles and dungeons? Were there really dragons? Take this class to find out. SS07

FRACTURED FAIRY TALES (2-3)

Students will listen to a variety of fairytales and practice retelling, clarifying, conversational skills. Drama, apps, singing and poetry will be just a few of the mediums' students will use to write their own "happily ever after". LI25

FITNESS

PRIMARY TAEKWONDO (2-3)

\$15.00 Fee

Midnight Sun Martial Arts Academy instructs students toward the goal of earning their **yellow stripe** as they learn self-defense techniques, health and physical fitness principles, Korean history and language and non to light contact sparring techniques. The class fee of \$15 includes the manual mouthpiece and white belt. FH45

DANCE (2-3)

This is an exciting class. This aerobic dance will really get you moving. This will be taught by Rize & Dance Studio. FH39



MUSIC

STRING ORCHESTRA (4-8)

3rd & 4th Qtrs.

Students will learn to play or continue their studies on a traditional string orchestra instrument. They may choose violin, viola, cello, or double bass. Ensemble performances will be an integral part of this course. MU15

STRIKE UP THE BAND (4-8)

1st & 2nd Qtrs.

Students will learn to play or continue their studies on a traditional concert and instrument from the woodwinds, brass, or percussion family. Ensemble performances will be an integral part of this course. MU11

LANGUAGE & CULTURE

GAMES AND TOYS AROUND THE WORLD (2-3)

Make a toy or game from at least three other countries. Oh, and there's time to play them too! Celebrate children's holidays around the world with fun cultural activities. Students will learn similarities and differences between toys and games from other countries and be able to locate the countries on a map". SS41

HOLIDAYS AROUND THE WORLD (4-8)

It's time to go around the world. Students will learn to understand and appreciate cultures and holidays around the world. Students will be able to describe and differentiate holidays and traditions from around the world. SS41

NATIONAL HISTORY DAY RESEARCH (4-8)

Students will conduct historical research through the National History Day model. Students will learn the process of reflecting on a given theme, choosing a topic, and conducting research using primary and secondary sources. Students will explore a variety of resources used to enhance inquiry skills. SS52

NATIONAL HISTORY DAY PROJECT (4-8)

****Prerequisites taken History Day Research.***

Students will use their research conducted during the prerequisite National History Day Research course to develop a project-based representation of the current year's National History Day theme. Students will present work in one of five ways: as a paper, exhibit, performance, documentary, or website. Student work will be entered in the local contest to be judged by professional educators and historians. SS36

Essential Intermediate Social Studies

These explorations provide an overview of district curriculum objectives in grades 4-8. After taking these "essential" classes (marked with an *), a student will have completed the Social Studies curriculum objectives aligned with the Alaska State Standards in Geography, Government and Citizenship, and History.

***ROUTE 66/US GEORGAPHY (4th)**

~ESSENTIAL ~

Students will focus their semester studying developing knowledge of the continents, oceans, and geography of the United States to lay the foundation for further social studies explorations. Students will examine the factors, both physical and cultural, that help defines regions in the U.S. Also, students will consider the Pacific Rim and discuss the role of the United States role in this fast-changing part of the world.

SS33

***THREE WORLDS MEET (5th)**

~ESSENTIAL ~

In the fifth grade, the focus will be a semester study of the United States of America. Students will examine the historical perspectives that shaped the diverse physical, economic and cultural characteristics that define our country today. Students will explore how colonization led to the establishment and evolution of our nation through Native American cultures, European leaders, explorers, colonists, slaves, and immigrants. Students will explore the American government's foundations by examining relevant aspects of the U.S. Constitution, emphasizing that citizenship entails both rights and responsibilities. SS26

***ANCIENT CIVILIZATIONS (6th)**

~ESSENTIAL~

Sixth-grade social studies will focus on ancient societies in a geographical, historical, political, and cultural context. In this semester-long course, students examine geographical influences on regional development; use maps, globes, and graphs to gather, analyze and report information; discuss current events worldwide; study the history of civilization from prehistoric times to approximately 500 A.D. The civilizations include ancient Mesopotamia, Egypt, India, China, Greece, Rome, Maya, Aztec, and Inca. Students will understand what people need to evolve into a civilization, how new civilizations began as the people's needs and beliefs changed, explain the contributions of different cultures to humankind, and examine the origins and spread of major religions and languages. SS29

ESSENTIAL INTERMEDIATE SOCIAL STUDIES

***GLOBAL GEOGRAPHY (7TH)**

~Essential ~

This semester-long global geography course combines the physical, economic, political, and social aspects of geography. The course will help develop students' skills as geographers by using an inquiry-based approach to learning about human-environment interaction and how this has changed over time. Through geographic inquiry, students are provided opportunities to collect information and consider a range of viewpoints about human-environment interaction relationships and then synthesize this information to construct their own understanding. This understanding will help students make sense of an increasingly complex world and help develop a tolerance to the differences inherent in our global society. Spatial understandings of the world enable students of geography to build the skills for implementing appropriate local, national, regional, and global action in a complex and interdependent world. Students will focus their studies on the themes of geography as well as national geography. Students will apply the Alaska Standards for Literacy in History/Social Studies by completing a research project using both primary and secondary sources. SS42

***EARLY U.S. HISTORY AND GOV'T (8TH)**

~Essential~

This class is a three-quarter long course that will focus on the foundations of United States history from pre-colonization to settlement, into the revolution and creation of our nation, westward expansion/reform, and ultimately leading through the Civil War. Students will begin critically thinking as historians by developing research skills and evaluating primary and secondary sources. This course will explore the integration of historical periods and lay a foundation for their high school years. Additionally, students will apply the Alaska Standards for Literacy in History/Social Studies by completing a research project using both primary and secondary sources. SS46

MUSIC

ELECTRIC KEYS (4-8)

Come play electric piano. Beginners will learn notes, melodies, and chords. Experienced pianists who want to shine in the spotlight will be able to choose a tune to perform on a recital or at exhibit night if you'd like to! FA38

RAISE YOUR VOICE 1 (4-8)

The joy of song! You will sing many different songs together: from different countries, in different languages, from movies and pop music, from Broadway musicals. You'll also get to rock out with the choir chimes (or hand bells). And we'll even have a performance at Exhibit Night. MU26/27

RAISE YOUR VOICE 2 (4-8)

Taking singing to the next level! Emphasis will be on posture, breathing, and beautiful sound to develop your natural singing voice. We will have a major performance at Music In Our Schools Month Honors Concert to really show off your skills. More songs, more singers, more music! MU26/27

BOOMING BRASS (4-8)

You'll learn instruments made of brass! And even make your own instrument. Each student will be able to borrow one of Barnette's purple P-Instruments and blast away as we explore the beautiful booming brass section. MU09

STRING SENSATION (4-8)

If you get the vibe, you get the vibe. You will have the chance to make or borrow a string instrument. Then use the vibrations of strings to make music, play songs, and chill with all the good vibes of the string section. MU15

STOMP! BAM! BOOM! (4-8)

Come get your rhythm on! Have you ever seen stomp!? This class will be a blast! We will explore the percussion instruments, including drums, bells, boom whackers, and pretty much anything you can strike with a stick or stomp on! MU?

UKULELE (4-8)

You will learn chords and simple songs on this amazing instrument that anyone can learn to play! You'll be part of a musical group and play along with others, and maybe even find a solo song to perform. You are welcome to bring your guitar and strum along with ukulele ensemble. MU06

FINE ARTS

\$ BEHIND THE CURTAIN (4-8)

\$10.00 Fee

Behind the Curtain explores the world of musical theater. Learn the ins and outs of putting on a full musical production. Students will perform on stage or work backstage during the performance. Students will learn about acting, singing, voice projection, stage presence, and blocking on stage. This class will be team taught. FA56

\$FABRIC, FIBER & FUN (4-6) (6-8)

\$10.00 Fee

The Fiber, Fabric, and Fun class is an in-depth study of the elements and principles of art learned through a variety of hands-on projects. Some of these projects will include: hand sewing and sewing using sewing machines, quilting, creating felt, a batik method, tie-dying, weaving, printmaking on fabric, and painting on fabric. FA13

\$FABRIC, FIBER & FUN w/TEXTILES (4-8).

\$10.00 Fee

This class will teach a variety of crocheting skills. Students will have the opportunity to make hats, scarves, and more dependent on skill levels. There's so much one can do with yarn once they learn the basics. FA13

\$3D DESIGN (4-6) (6-8)

\$10.00 Fee

This class is an in-depth study of the elements and principles of art learned through a variety of hands-on projects. Some of these projects will include: hand sewing and sewing using sewing machines, quilting, creating felt, a batik method, tie dyeing, weaving, printmaking and painting on fabric. FA10

\$DRAWING 101 (4-6) (6-8)

\$10.00 Fee

Draw using chalk, pastels, watercolor, acrylics and more. Quality lessons that include famous artists and techniques that will develop art skills useful in many classes! FA23

\$ALASKA NATIVE ARTS (4-6) (6-8)

\$10.00 Fee

This class offers opportunity to learn about artists and Alaska Native art styles from around Alaska. Tlingit, Yup'ik, Athabascan, Unanagan and Inupiaq art will be explored. Projects may include masks, line art, basketry and even totem poles. FA29

OPTIONAL INTERMEDIATE SOCIAL STUDIES

CAREER CHALLENGE (7-8)

Do you know what you'd like to be when you grow up? Take the career exploration class to explore what you would like to do for a future career and the steps you need to take to get there! TE63

FINANCIAL FLUENCY (7-8)

Do you like money? When you have money, does it seem to vanish into thin air? Take the financial literacy class to learn to manage money to afford things you need and want. TE63

MINI SOCIETY (5-8)

Learn how a corporation is established as you produce, advertise, market and sell your product for a profit. Meanwhile, learn economic principles such as scarcity, supply and demand, and the characteristics of a free market economy. Be an entrepreneur and form your own company. SS49.

CATAPULTS AND CALVARY (7-8)

A class for students of technology and ancient history. Starting with a timeline of the major conflicts of history around the world, launch into a study of how engineering concepts were applied in the evolution of shields, swords, bows and arrows. Learn how technology has advanced from Archimedes to Leonardo to now. And what happened to the calvary? SS24



PRIMARY LITERACY

READERS' THEATRE (2-3)

Students will read, re-write into play form and perform several short stories. Students will participate in the story selections. Possible works include Just So Stories, Aesop's Fables, Grimm's Fairy Tales and other children's classics. The production may be either in the form of puppet theatre or an informal stage production. Class goals are to improve students' reading, writing and verbal skills and to have fun acting out the stories. LI56

\$BOOK COOKS (2-3)

\$15.00 Fee

Young chefs cook up fun recipes inspired by favorite children's books. Organized into tasty themes, learning will include art projects, related songs and poems, writing, graphing, measuring and solving fractions. LI01

INTERMEDIATE LITERACY

BOOK CAFÉ (4-8)

Do you love to read? If your answer is yes, then Book Cafe may be the class for you. This course offers the opportunities to read novels and participate in and lead small group seminars/discussions. Students will have time to read grade-appropriate novels and share their thoughts and ideas. LA38

SUPER SLEUTH (4-8)

What is the capital of Japan? What breed of dog has a black tongue? Who won the Newberry Award in 1978? Chances are you can get answers to your questions in the library- If you know how! In this course, students will learn to use a variety of resources in both print and electronic formats to locate information. Hands-on activities will help students become familiar with the almanac, atlas, encyclopedia, thesaurus, and other resources. Students will creatively and visually display their findings. LA37

SPEAKUP (4-8)

In this class, students will learn the types of speeches, extemporaneous, original oration, serious interpretation, and humorous interpretation. Learn to project your voice, enunciate, and capture the audience with inflection, enthusiasm, eye contact, and gestures. Develop skills to participate in school speech contests, the Tanana Valley Fair Speech competition, or other public speaking opportunities. LI29

FINE ARTS

\$ TECHNIQUES IN ART (4-6) (6-8)

\$10.00 Fee

An in-depth study of the elements and principles of art learned through a variety of hands-on projects. Some of these projects will include: contour and blind contour drawing, portrait and figure drawing, watercolor painting, relief printmaking, copper tooling, ceramics: pinch pots and coil work, collage work, and sculpture. FA33

CARTOONING (4-6) (6-8)

\$10.00 Fee

Learn to draw captivating one panel cartoons, sequential cartoon strips, and caricatures. Study techniques from master cartoonists. Learn to organize the essential elements of a story, use cartoons to convey your ideas, and develop your drawing and writing techniques. FA61

\$ NATURE ART (2-3)

\$10.00 Fee

Observe your natural surroundings and learn to see the beauty of nature. Students will use nature's colors, forms and materials to create works of art. FA27

\$ CREATIVE CRAFTS (2-3)

\$10.00 Fee

Try a little bit of everything, and learn a mix of various artistic mediums. Papier-mâché, origami, batik, and bead making are just some of the possibilities! FA57

JUST FOR LAUGHS (4-8)

This class will show you how to tickle funny bones and play with improv. Students will write jokes and skits. We will learn and practice strategies used by real comedians. Local Performers will assist the class periodically. Students will get on stage for a final culminating performance. L126



TECHNOLOGY

\$SPECIAL FX (6-8)

\$15.00 Fee

We will learn about special effects in the movie and advertising industries. Students will create their own special effects projects in digital media. TE14

BASIC ROBOTICS (4-8)

Students will program and control actual robots that they build themselves using specially created software and Lego building materials. TE15

ROBOTICS II (5-8)

Pick up where you left off with Basic as you design more complicated projects. (Prerequisite is Basic Robotics) TE17

DIGITAL STORYTELLING (4-8)

Develop the art of transforming a personal narrative into a multimedia sentence. Use music, video, and still images to engage your creative voice. The results will be an original production that will engage the viewing audience in powerful and surprising ways. TE49

PIXEL PERFECT with DIGITAL FOCUS (4-8)

This class is designed to teach students alternatives to 35 mm photography. Students will learn how to operate a digital camera and how to manipulate digital images on the computer. TE44

YEARBOOK (7-8)

Do you enjoy taking pictures and documenting what is going on in your life? Would you be interested in doing this for Barnettes' students? If this sounds interesting to you, consider enrolling in yearbook. In this class you will learn how to complete digital page design and layout online and will attend events in order to capture life at Barnette in pictures. TE02

BNT NEWSLETTER (HOT OFF THE PRESS) (4-8)

Become a journalist! Learn and apply techniques for interviewing, reporting, layout, design, editing, and persuasive writing. Examine the basic components of a newspaper and learn how to spot FAKE NEWS. Share the news with your friends: create and publish a school newspaper. LI19

LITERACY

\$THE DARING CLASS FOR GIRLS! (4-6)

\$15.00 Fee

Whether you're a girly-girl, an athlete, a brainiac, or a little bit of everything, this class is designed for you! *The Daring Class for Girls* is the can-do, how-to manual for enthusiastic, unfettered adventure. This hands-on literacy class cheers girls on to be curious, brave, and above all, to have fun! LI28

\$THE DANGEROUS CLASS FOR BOYS! (5-8)

\$15.00 Fee

Learn it, build it, make it, explore it from the five knots to the seven wonders of the world that include the most complicated machine ever built. This hands-on literacy class is for boys only. A new project every day designed with boys in mind. LI27

GIRLS CLUB (7-8)

Have you ever wished for a safe place to talk, be heard, have fun, and hang out with other girls? Girls club may be for you! This club will focus on building positive relationships, self-image, and coping skills to deal with life as a teenage girl! LI28

\$HOME ECONOMICS (4-6) (6-8)

\$10.00 Fee

Students will learn various skills necessary for running a home – including home management, design, hygiene, finances, and laundry. FA25

\$HOME EC. FOCUS ON COOKING & NUTRITION (4-8) \$10.00 Fee

The purpose of this course is to provide students with basic overview on culinary food principles and preparation that will provide a broad foundation for students interested in a food-related career and/or to enhance their food-related knowledge and skills for the betterment of their health. FA25

POINT-COUNTERPOINT (4-8)

Make your point in a big way as you get to argue about everything from school lunch to the legal voting age. You will learn to use research for rational and sound arguments in the context of a formal debate. Will you be a prosecuting attorney or a jury member? SS27

DRAMA DEBATE FORENSICS (6-8)

This course is competitive for those who like to do public speaking. Learn the structure of a formal debate. Practice voice techniques and learn to use your voice to influence an audience. Learn to argue both sides of an argument. If you like to debate and want to learn how to argue better, this course is for you. SS27

LITERACY

STAR WARS & GREEK MYTHS (4-6)

Study the link between Star Wars and mythology. Read the Greek myths and watch the “Star Wars” movies. Discover how different mediums of print and film engage the audience. LI20

HARRY POTTER & THE BROTHERS GRIMM (5-8)

What lurks between the pages of stories by J.K. Rowling and the Grimm brothers? The good m the bad, and the helpful! Study these characters and find out what makes them universal and virtually unchanged throughout the centuries. LI20

CURSIVE & VREATIVE WRITING FONTS (4-8)

This class will focus on developing handwriting skills. Students will practice cursive handwriting with a variety of writing and artistic projects, as well as, exploring the world of creative handwritten fonts through a variety of styles. LI22

NATURE JOURNALS (4-8)

\$10.00 Fee

Study famous naturalists and scientists. Go outside to study, write, and sketch in daily journals. See the world around you with new eyes. FA27

NATURE WRITING (4-6)

Observe your natural surroundings and learn to SEE the beauty of nature. Create a variety of different styles of writing based on observations of the great outdoors. Study the work of other nature writers such a Jack London, John Muir and Annie Dillard. Wear your shoes, because you’ll be trekking before you’ll be writing! LI41

CREATIVE WRITING & KEYBOARDING (4-8)

Do you like to write and imagine? Would you like to work on your keyboarding skills? In this course, students will create original forms of descriptive writing, poetry, and fiction. Vocabulary development, creative writing techniques, and skills are explored. Students will also spend time improving their typing skills in order to be more efficient. LI54

TECHNOLOGY

WEDIDAMOVIE (4-8)

In WedidaMovie, students will learn all aspects of producing their own movie – from writing the script, creating the storyboard, rehearsing, videoing, and editing. Each student will gain experience using video equipment and different computer applications, such as iMovie, Garage Band, and iDVD. An emphasis will be placed on collaborating on one project. Projects may be entered in a state competition. TE47

MINECRAFT (5-8)

Create the school and other buildings to scale in Minecraft. Learn about scaling, ratios, measurement, perimeter, area, CAD software, and designing in a virtual environment all while using the worldwide phenomenon: Minecraft. TE27

STOP MOTION ANIMATION (4-8)

Learn about stop motion animation and make your own stop motion video for the iPad. TE12

GOOD MORNING BARNETTE (6-8)

Students will learn all aspect of producing a news program-what goes on in front of and behind the camera. Each student will gain experience learning the roles of anchor, camera-person, director, news reporter, technical and sound director. Each student will also learn how to write a simple interview and news report and will learn how to operate the video and sound equipment. An emphasis will be placed on working in teams and through experience, students will gain confidence and independence in working outside of the classroom “on location.” TE43

Board Gaming Club (4-8)

Board gaming club is a class that celebrates intelligence, creativity, strategy, and fun. We will play a variety of board games that may require strategy, decision making, cooperation, or a great sense of humor. We may even play games that most people have never heard of! Games are selected based on student interest and games rules are taught at each class. TE16

