



LONGVIEW SCHOOL

Elementary Course Offerings

2020 -2021

English Language Arts

4 classes

Topic for the first trimester:
Myths and Legends of the Sea

1 class Literacy Circle/Guided Reading
2 classes Literature Genre Study
1 class Creative Writing

Math

4 classes

Art

2 classes Art for Creativity

Science

4 classes

3 classes
Topic for the first trimester: Sound

1 class
Gardening

Social Studies

3 classes

2 classes History
Maya Civilization

1 class Geography
Topic for the first trimester: Earthquakes

Foreign Language

2 classes German

PE

2 classes

Electives

Requirement: 2 classes

Choices:
Game Programming
Cooking
Minecraft

Elementary School

Course Offerings Description 2020 -2021

Math (3-5)

Students will build on previous knowledge and expand their understanding of various math concepts. Students are introduced to a new topic that they discover through inquiry and hands-on activities. In each topic, students focus on one or two specific skills within that topic. Concepts and ideas will be solidified through instructed lessons after the inquiry.

Math topics this year include:

- Multiplication and Division
- Area
- Fraction
- Number Sense
- Shapes and Angles

Math (K-2)

We will start the year by strengthening number sense through games and activities by counting to 100, estimating, and identifying numbers in a variety of contexts. We will then continue to work on place value for two-digit numbers, make and write amounts of money, and learn how to give change. Here are topics that we will cover as the year progresses:

Place Value

- Counting and estimation
- Teens and place value in 2-digit numbers
- Numbers on a line - compare and order
- Count to 100, 1 more/less, ordinals

Measures

- Comparing and measuring lengths
- Coin recognition: find amounts and change
- Tell time to half and quarter hours
- Understand units of time

Addition and subtraction

- Partition numbers - learn number bonds
- Add by counting on 1s or 10s
- Counting back, understand + and -

More addition and subtraction

- Reinforce and consolidate number bonds
- Use number facts to add and subtract
- Adding and subtracting tens and ones
- Using different strategies for addition

Fraction and multiplication

- Understanding halves and quarters
- Doubling and halving
- Odd and even numbers
- Counting in steps of 5 and 10

Language Arts (3-5)

This Language Arts class is divided into three parts: Literacy Circle; instructed comprehension, spelling and grammar, and composition based on our theme; as well as creative writing. In the first trimester, students have chosen to explore the topic “Myths and Legends of the Sea”. Through a variety of stories, students will explore selkies, mermaids and other legends based on the sea. They will learn how to write dialogue using correct punctuation and layout. Using non-fictional texts, students will work on comprehension skills and paragraph writing before writing their own story based on a mythical creature.

Once a week, the class will get together as a Literacy Circle. This collaborative and student-centered reading strategy aims to encourage thoughtful discussion and a love of reading. Each week, we will come together to discuss the chapters of “Island of the Aunts” by Eva Ibbotson. Each student will fulfill a different role in these discussions each week. The Discussion Director creates questions to increase comprehension. The Vocabulary Enricher clarifies word meanings and pronunciations and uses research resources. The Literary Luminary guides oral reading for purpose and examines figurative language, parts of speech, and vivid description. The Illustrator will create a piece of art connected to the chapters read.

In addition, students will have the chance to write in a variety of genres in the creative writing class. Here, the class will become a true writing community in which all participants share their work, and give and receive constructive feedback on their writing. In addition, individualized teacher instruction will enable students to improve their technical writing skills.

Language Arts (K-2)

This Language Arts class is divided into three parts: Guided Reading; instructed comprehension, spelling and grammar, and composition based on our theme; as well as creative writing. In the first trimester, students have chosen to explore the topic “Myths and Legends of the Sea”. Through a variety of stories, students will explore selkies, mermaids, and other legends based on the sea. They will write dialogue using correct punctuation and layout. Using non-fictional texts, students will work on comprehension skills and paragraph writing before writing their own stories based on a mythical creature.

Once a week, the class will get together as a Guided Reading group where they will read a book together with the teacher. Through guided questioning, the students will delve deeper into the book, its characters, and plot as well as grammar and layout concepts. This collaborative and student-centered reading strategy aims to encourage thoughtful discussion and a love of reading.

In addition, students will have the chance to write in a variety of genres in the creative writing class. Here, the class will become a true writing community in which all participants share their work, and give and receive constructive feedback on their writing. In addition, individualized teacher instruction will enable students to improve their technical writing skills.

Science (K-5)

In the first trimester, students will delve into the topic of sound. Students will show that sounds are made when objects vibrate and that sounds travel through solids, liquids, and gases. Through a variety of inquiries, children investigate how well sound travels through different materials and discover how instruments make sounds. The next topic will be determined by the students before the end of the trimester.

History (K-5)

We will be studying the fascinating Maya in this year's history class. Students will discover where and when the Maya built their magnificent civilization. Students develop a range of skills across the curriculum to become historians. The group will investigate how the Maya lived, their culture, and their legacy through a variety of projects based on students' interests.

Geography (K-5)

In the first trimester, students will learn about the features and key aspects of earthquakes and find out about the movement of tectonic plates. To understand about seismic waves, students make a DIY seismograph. After learning about life in an earthquake zone, students compile and practice a class earthquake drill. To find out how buildings are built to withstand earthquakes, students will design their own earthquake-proof structure in a class project.

The next topic will be determined by the students before the end of the first trimester.

Art (K-5)

In this art class young artists will gain exposure to multiple mediums such as collage, drawing, painting, clay, printmaking and construction in a process-oriented art approach. The young artists will be given ample opportunity to explore and discover the rich sensory and art experience each medium provides. The goal is that through practicing process-oriented art the child will naturally begin to cultivate a comfort in the risk-taking and problem solving inherent to engaging with the emergent process of artmaking. During the second half of the school year a balance will be struck between process-oriented art and artistic projects inspired by contemporary and historical figures. The fundamentals of art will be introduced and studio time will be devoted to these concepts which will be identified as they naturally emerge in the LES process-oriented art making. Lisa will zoom into our classroom if the weather is not good enough to go outside in order to maintain our cohort groups. Carolin and/or Roger will be present to help facilitate the class.

German (3-5)

Students get a glimpse of the German language and culture. They discover the regional diversity of the German-speaking world, learn about a typical German school day, compare their hobbies to those of their German peers and learn that Döner is more popular in Germany than Schnitzel. These themes are organically combined with very basic German language acquisition and in the course of the program the children learn easy, useful phrases and words in German—numbers, colors, the days of the week, greetings, and much more.

Gardening (K-5)

This class will be our biggest project this year! As a class, we will be designing, planting, and taking care of our school garden. Students will learn about plants, life cycles, soil, and composting. Throughout the year, we will do many projects connected to the garden that are based on students' vision of the garden. The goal is to turn the garden to a space for everyone to come and learn about plants and animals.

Physical Education (K-5)

In this class we will focus on developing a variety of skills for different sports such as basketball, soccer, or baseball. Students will have the chance to give input as to what sport skills they would like to develop. In addition we will make use of the nearby trail by going on hikes and bike rides/scooter rides etc. Make sure you bring good footwear!

Minecraft (K-5)

Has anybody ever told you that video games can't teach you anything? Have you ever felt like you were learning from the games you played? If the answers to those questions are yes, then this is the course for you! We will learn foundational concepts for a variety of school subjects in fun and educational ways using the world of Minecraft. The subjects touched upon include, but are not limited to, Science, Social Studies, Sociology, Agriculture, Mathematics, and many more. Ben will zoom into our classroom to maintain our cohort groups. Carolin and/or Roger will be present to help facilitate the class.

Game Programming (3-5)

What is the most powerful language in the world that most people don't understand? Answer: the programming code that dictates how computers, mobile phones and, increasingly, even our cars and coffee makers work. This is a class for non-IT based thinkers and users. It takes a conversational, plain-English (not jargon heavy) approach to communicate technical information. Topics include the components of software development: end-user requirements, coding, programming, user interface with graphics and, finally, testing and modifying the application itself. Students progress line by line through fundamental concepts of coding and programming, concluding with a real-world application they can use on their computers, phones or tablets. Ben will zoom into our classroom to maintain our cohort groups. Carolin will be present to help facilitate the class.

Cooking (K-5)

In this class students will learn to cook a variety of dishes, ranging from quick and easy breakfasts to full dinner meals. We will begin by learning basic cooking skills such as knife skills, and how to follow a recipe. Some recipes will stem from other classes such as History. This will be a hands-on class where students must learn each part of the cooking process, and then will be able to enjoy the product of their labors.