



NEW HORIZONS
SCHOOL

7TH GRADE CLASSROOM NEWS

SEPTEMBER 2024

Middle School Director's Office:

This academic year at NHS brings exciting learning opportunities, new friendships, and memorable experiences. This NHS team is prepared well to nurture our students in a superbly enriching learning environment. At the same time, we encourage you to stay engaged with your child's regular routine, participate in school events, and communicate with teachers. Together, we will make this year a remarkable journey of growth and achievement for our students.

Ms. Priya Sudharsan

What are we learning this month?

Computer Lab

This month, students were introduced to the fundamentals of Python programming, laying the groundwork for their journey into computer science. They began by exploring simple data types such as integers, floats, strings, and booleans, gaining an understanding of how different kinds of data are represented and manipulated in Python. Students learned about variables and how to use them effectively to store and manage data within their programs. They also delved into expressions and arithmetic operators which allowed them to perform basic calculations.

As they continue to build on these foundational concepts, students will review these topics to reinforce their understanding and ensure they are comfortable using Python to solve basic problems. Moving forward, the class will be introduced to more advanced concepts, such as indexing. Indexing is a powerful technique used to access specific elements within a sequence, such as characters in a string. Students will learn how to use indexing to read and manipulate strings, extracting substrings, reversing text, or isolating particular characters. This new skill will open up opportunities for more complex string manipulations and deepen their understanding of how data can be managed and utilized in programming.



Journalism

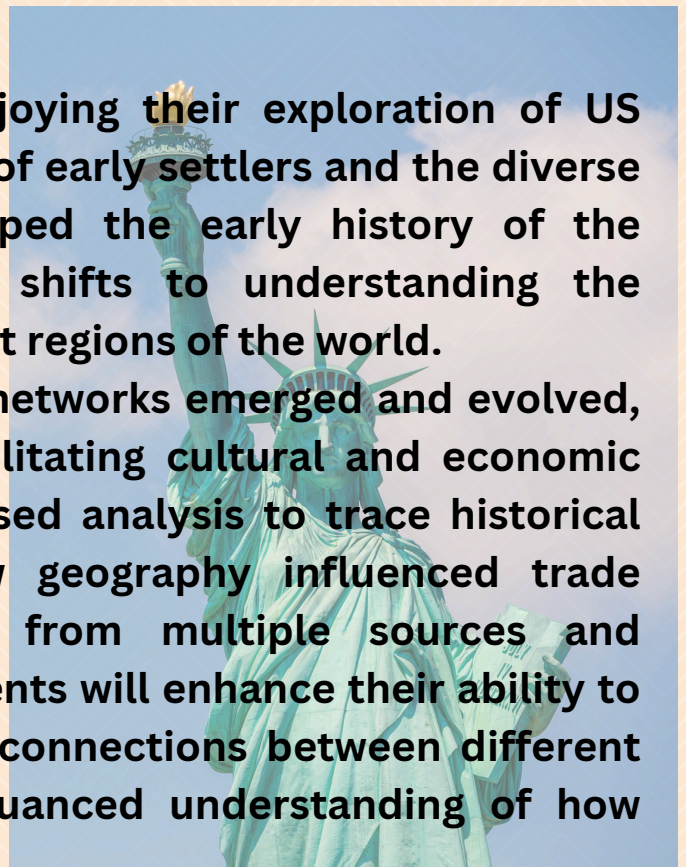


We are excited to introduce a brand-new subject, "Journalism" as part of our curriculum this year. This course is designed to immerse students in the dynamic world of news and media, allowing them to connect with real-world events and issues. By engaging with current news stories, students will develop their ability to think critically and analytically, evaluating sources and understanding different perspectives. The Journalism course will also encourage them to enhance their research skills, learn effective communication techniques, and understand the ethical responsibilities of reporting. This hands-on approach aims to prepare students for the future by fostering a deeper awareness of global events and nurturing their role as informed, responsible citizens.

History

Seventh graders are thoroughly enjoying their exploration of US History, having delved into the lives of early settlers and the diverse civilizations and cultures that shaped the early history of the Americas. This month, the focus shifts to understanding the development of trade across different regions of the world.

Students will investigate how trade networks emerged and evolved, linking various civilizations and facilitating cultural and economic exchanges. They will utilize map-based analysis to trace historical trade routes and understand how geography influenced trade patterns. By examining evidence from multiple sources and interpreting geographical data, students will enhance their ability to analyze complex information, draw connections between different historical events, and develop a nuanced understanding of how trade shaped global history.



English Language Arts

Language Arts will cover different kinds of nouns, differentiate between fiction and a novel.

To Kill a Mockingbird by Harper Lee



Reading book
spotlight

This book is a profoundly impactful novel that offers a critical examination of race relations and socio-cultural dynamics in the American South. Written in 1960, the book remains remarkably relevant today, with its vivid descriptions and deep emotional resonance continuing to engage readers across generations.

Throughout the study of the book, students will engage in a variety of writing and creative assignments designed to deepen their comprehension and appreciation of the text. These activities will include analytical essays that explore the book's themes, character studies that delve into the motivations and growth of key figures, and creative projects that allow students to express their understanding through artistic mediums.

Spanish

Students will embark on a comprehensive study of the language, focusing on essential components such as nouns, adjectives, and adverbs. Students will explore a wide range of adjectives, learning how to describe people, places, and things with greater precision and detail.

A special emphasis will be placed on words ending with -ista and -nte. By studying these word endings, students will gain a better grasp of vocabulary that is frequently used in everyday conversation, thereby enhancing their ability to communicate more effectively in Spanish.



Algebra 1

Students will immerse themselves in the study of linear functions and graphing, foundational concepts that will enhance their mathematical understanding and problem-solving skills. The course begins with an exploration of linear functions, focusing on the relationships between graphs and data. Students will learn how to represent linear relationships through equations and graph them on a coordinate plane. They will gain a deep understanding of key concepts such as slope and y-intercept.

Students will also delve into the creation and analysis of scatter plots, which are used to visualize relationships between two sets of data and identify trends or correlations. This will help them understand how to interpret data visually and make predictions based on observed patterns.

The curriculum will further include solving systems of linear equations, where students will learn to find points of intersection that satisfy multiple linear equations simultaneously. This will enhance their ability to solve more complex problems and understand the interplay between different linear relationships.

Additionally, students will explore graphing linear inequalities, which involves representing solutions to inequalities on a coordinate plane and understanding how these solutions form regions in the graph.

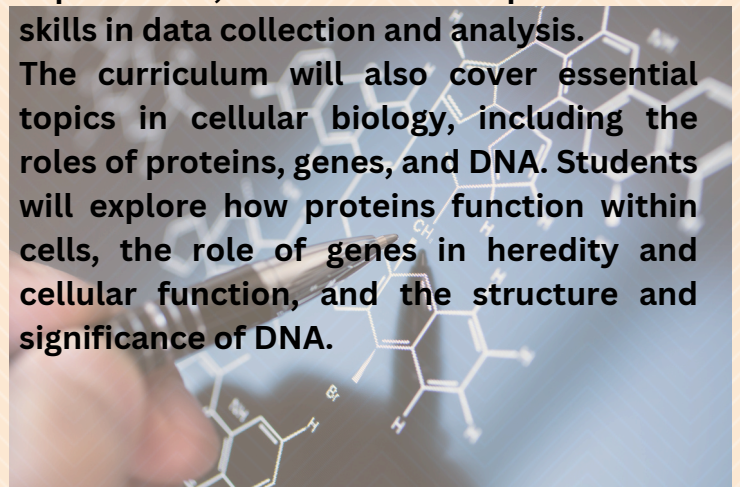


Life Science

Students will embark on an engaging exploration of cellular processes, delving into the intricate mechanisms by which cells manage essential functions such as the movement of water, food, and waste.

The curriculum will integrate a hands-on approach to learning by incorporating the scientific method. Students will develop hypotheses about how different liquids and mixtures interact with cells and then conduct experiments to test these hypotheses. In addition to conducting experiments, students will acquire crucial skills in data collection and analysis.

The curriculum will also cover essential topics in cellular biology, including the roles of proteins, genes, and DNA. Students will explore how proteins function within cells, the role of genes in heredity and cellular function, and the structure and significance of DNA.



Physical Education

Students will focus on developing their fundamental football skills, specifically honing their techniques in passing and throwing. They will learn the proper form for throwing a football with accuracy and power, emphasizing the importance of grip, stance, and follow-through.

Alongside these football skills, students will engage in a variety of cardio exercises designed to enhance their overall athleticism and endurance. These exercises may include running drills, agility ladder routines, and shuttle runs, all aimed at improving their speed, agility, and cardiovascular fitness.

Reminders

Friday Folders



We recommend checking your child's folders frequently for any assignments or homework and return it back with any questions the following Monday.



**SCHOOL CLOSURE
ON MONDAY
SEPTEMBER 2, 2024
FOR LABOR DAY**