

ZEBULON GIFTED AND TALENTED MAGNET MIDDLE SCHOOL

# MAGNET ELECTIVE COURSES

**2021-2022**







# LANGUAGE ARTS ELECTIVES



LANGUAGE ARTS

# CLASSICAL MYTHOLOGY

Learn about the Greek and Roman  
cultures that created timeless stories  
thousands of years ago.  
Those stories still apply to life today.







LANGUAGE ARTS

# CREATIVE WRITING

Express yourself! Through this course, you'll discover a variety of writing styles that will allow your thoughts to come alive! Polish your writing and make it more effective, lively, descriptive, and cohesive. This course is for the undiscovered writer in all of us!



LANGUAGE ARTS

# FOLK TALES & MYTHS

Explore folktales and myths  
from Africa, Asia, and  
America. Sharpen critical  
thinking and reading skills  
while learning about  
cultural differences and the  
literary style of myths.







LANGUAGE ARTS

# LITERARY MAGAZINE

Be a part of developing an award winning literary magazine through cooperative work with classmates. Review literary forms and think critically about various literary styles. This magazine is completely created and published by students taking this course.



LANGUAGE ARTS

# MYSTERY AND SUSPENSE

What makes a reader hang on the edge of their seat? You'll be a master and have the answer to that question after taking this elective! Learn about the elements of mystery in literature, and apply these sneaky skills as you create your own suspenseful stories.







LANGUAGE ARTS

# SCIENCE FICTION

Picture the future and expand your appreciation for Sci Fi literature. Sci Fi in popular culture will be explored, and imaginative use of technology will be encouraged.



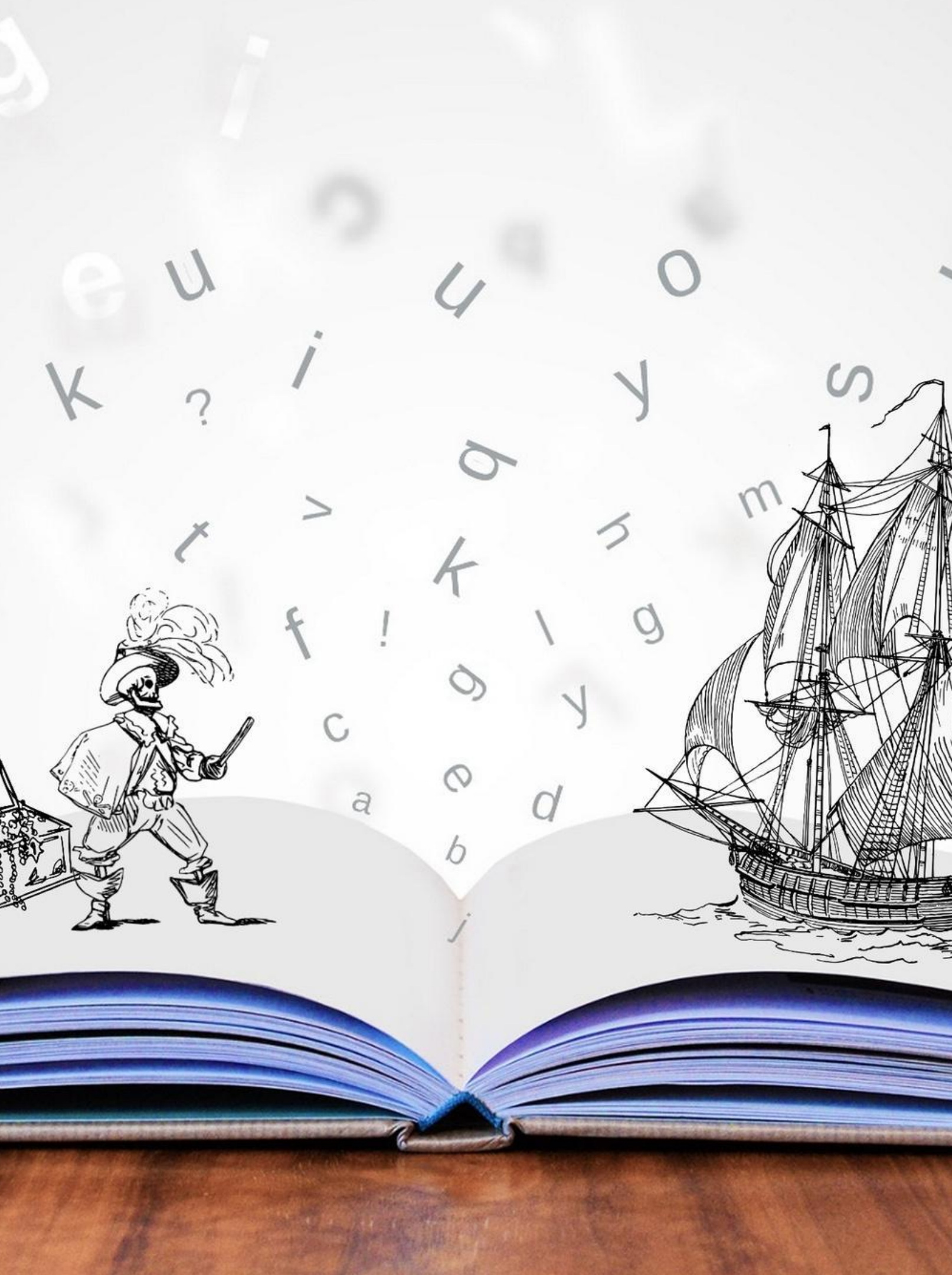
LANGUAGE ARTS

# SHORT STORIES

Read, view, and create short stories in this elective. Apply critical thinking, writing, reading, and speaking skills while increasing your vocabulary!







## LANGUAGE ARTS

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# STORYTELLING

Be the life of the party! Become the very best storyteller in any crowd by exploring the history of tales, folklore, and fables from cultures around the world in this elective.

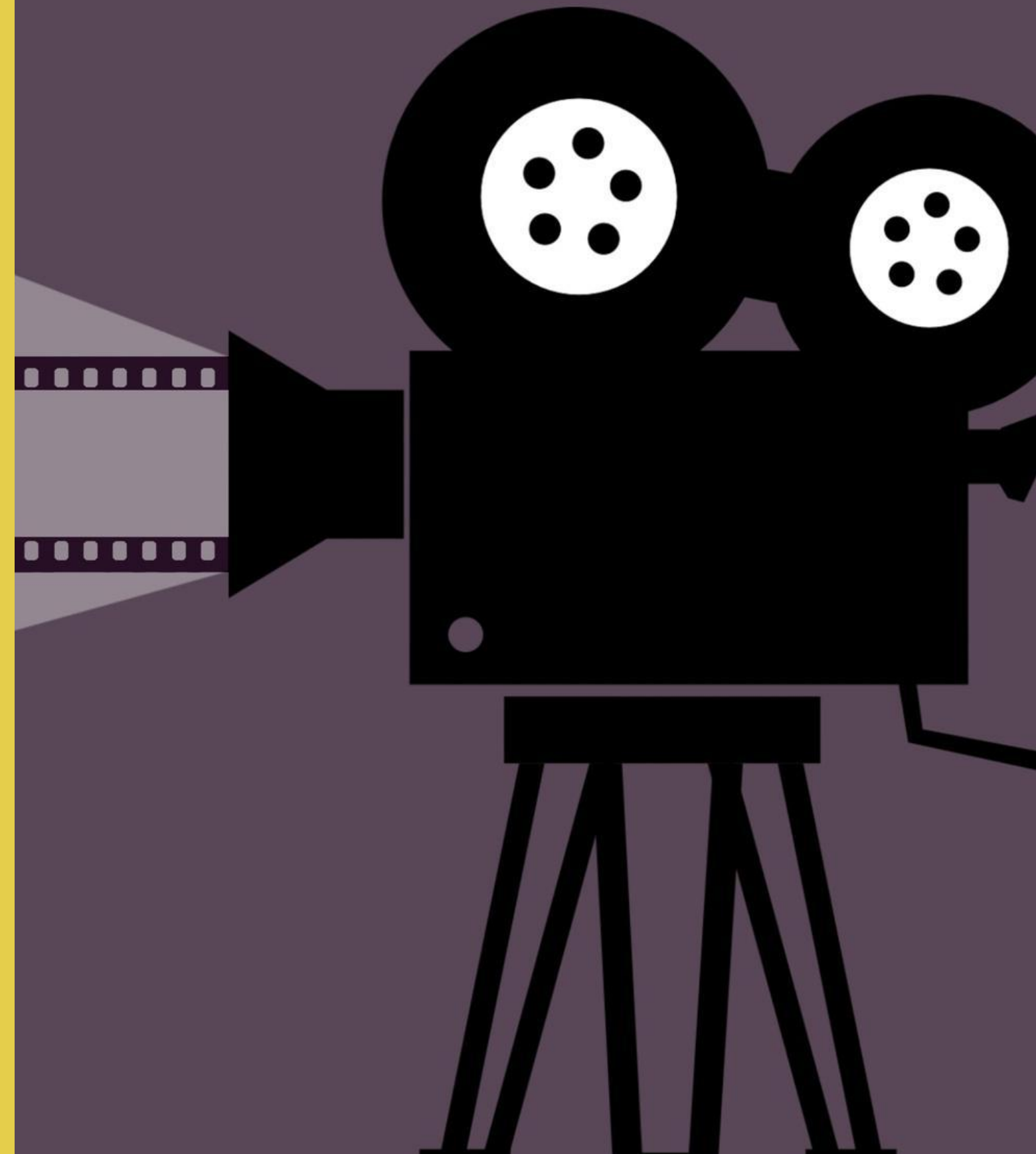


LANGUAGE ARTS

# VIDEO LITERATURE

Are you a movie buff? ....Book buff?

See if you can identify the difference in technique in telling a story  
versus “showing” a story. Which do you prefer and why?  
Be ready to put your discussion and analysis skills to the test.







## MATH ELECTIVES





MATH

# FANTASY SPORTS

Football, baseball, basketball, hockey, and our own “March Madness”! How can the use of, understanding of, and FUN of numbers help you to enjoy these games to their fullest? Come and find out as you learn to manage your own “fantasy team”!



MATH

# FINANCIAL FINESSE

Learn what you need to know to get on a great  
financial path!

Use what you learn to manage money  
now—allowance, odd jobs—and the money you'll  
earn in the future.







MATH

# FUN WITH NUMBERS

Would you like to feel more comfortable with how numbers work together? Is it even possible for math to make sense and be SUPER useful to you? Come strengthen your math skills and have FUN with NUMBERS!



MATH

# GEOMETRIC CONSTRUCTION

Stretch your problem-solving skills with challenges and hands-on projects. Model making and maze creation challenge you to think in three dimensions.





MATH

# GRAPH IT!

Work with range, mean, median, and mode to construct picture, bar, line, and circle graphs, as well as histograms. Coordinate graphing is also constructed.



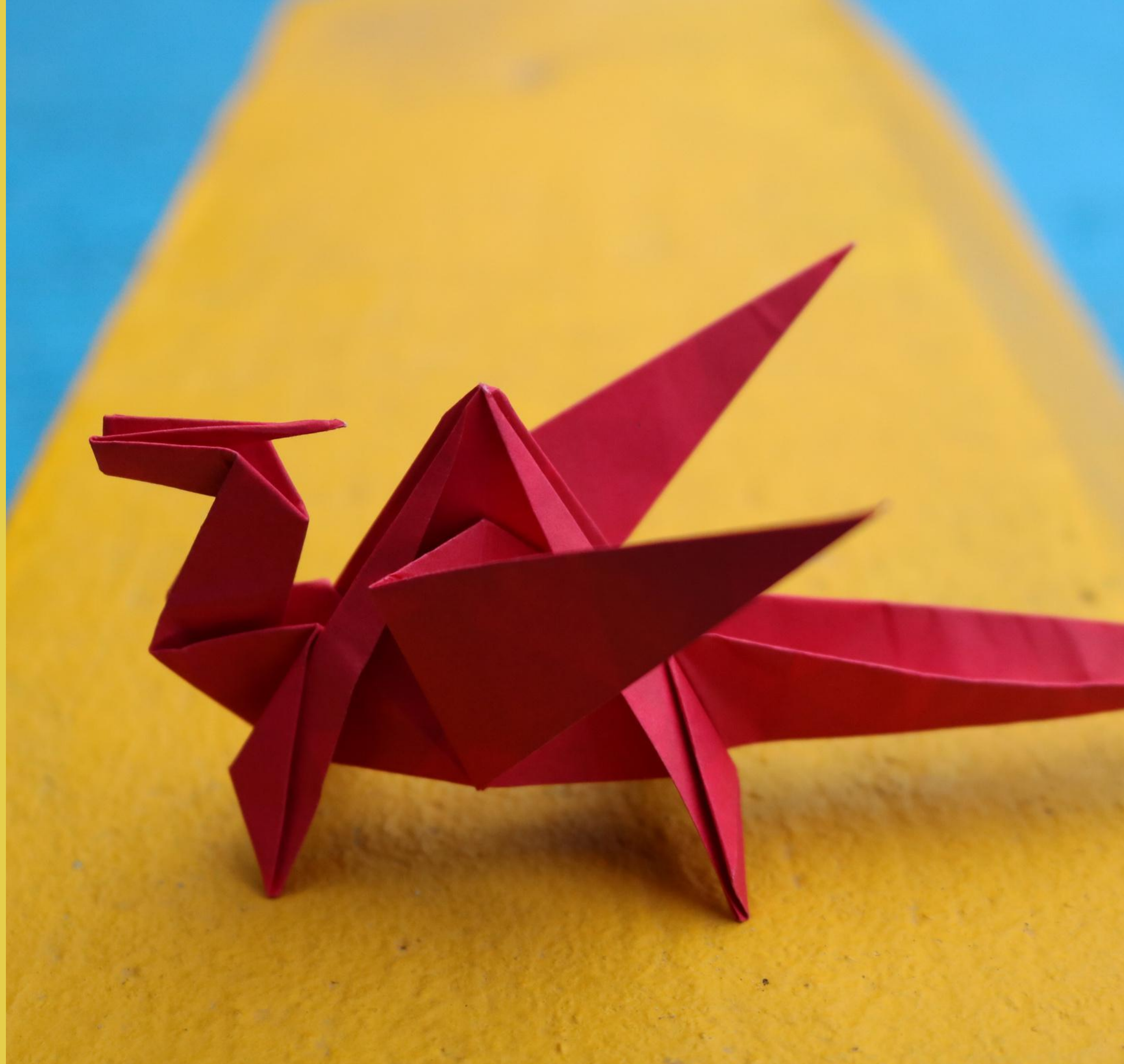


MATH

# MATH ART

Do you enjoy art and puzzles??

Work with tangrams, paper folding/origami, and  
patterning as you advance your skills in geometry  
and logical thinking.







MATH

# WHAT ARE MY CHANCES? PROBABILITY AND STATISTICS

Learn the concepts of probability and statistics the  
fun way-through games that depend on chance!





MATH

# PROBLEM SOLVING THROUGH STRATEGIC GAMES

Strengthening problem-solving skills through challenging games. Backgammon, Monopoly, and Checkers are some of the games used to enhance logic, mental math, and creativity.





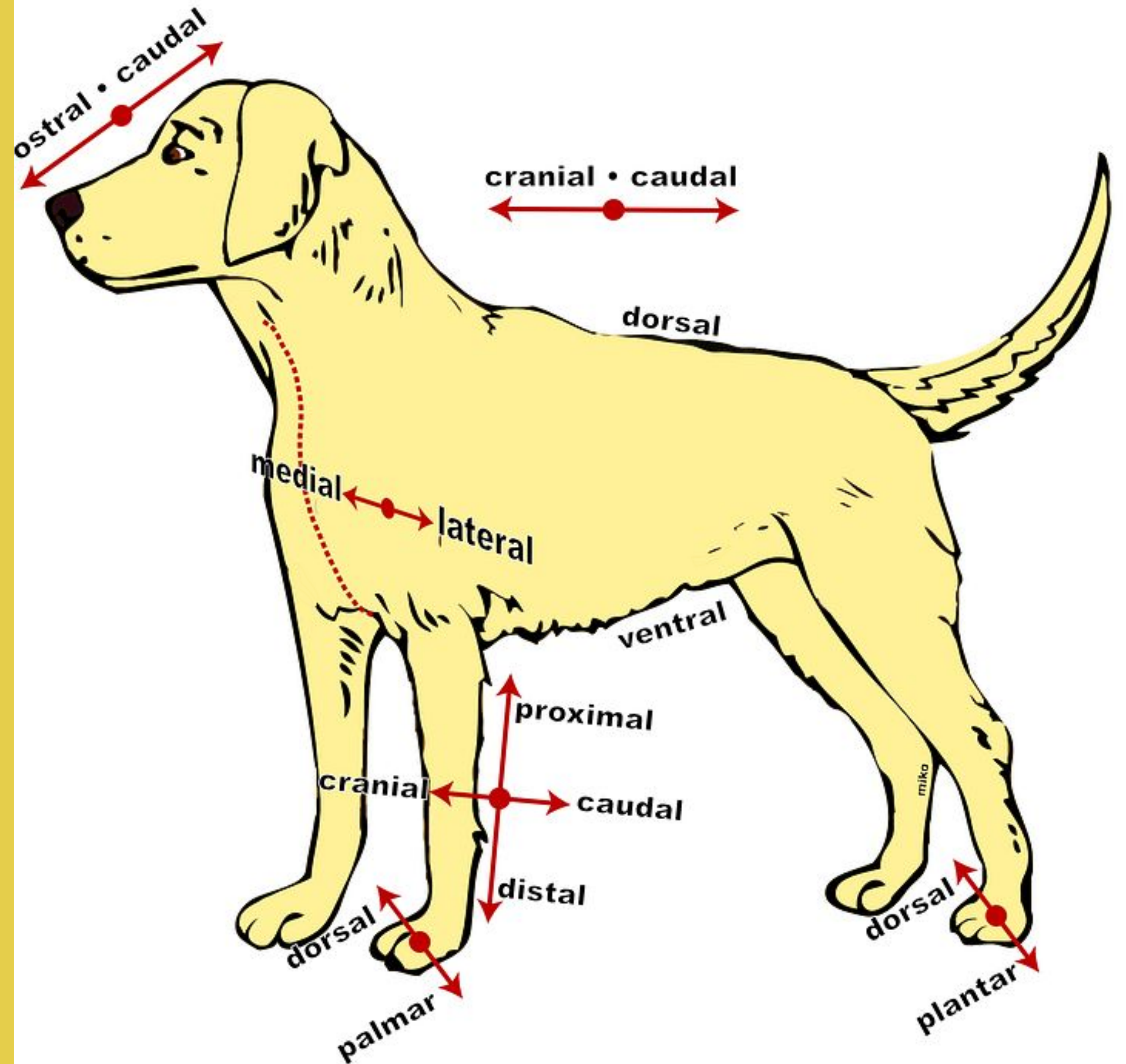
# SCIENCE ELECTIVES



SCIENCE

# ANIMAL SCIENCE - PET VET

Come journey into the science of our most loved pets! Explore the habitats, adaptations, relationships, and care of mammals, reptiles, amphibians, birds, aquatic life, and insects.







SCIENCE

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# GENETICS

Why are your friend's eyes brown, and yours green? Who do you know that has a detached earlobe, or can curl their tongue? This course helps explain our genetic differences.



SCIENCE

# LAB BUSTERS-SOLVING MYTHS USING THE SCIENTIFIC PROCESS

Urban legends or truth? How can you find out if what you hear about something happening is truth, a colorful hoax, or a little of both? Use the scientific process to discover whatever “myth” you choose to “bust”!







SCIENCE

## WHO DONE IT? FORENSICS

Investigate the world around you using  
forensics technology.  
Apply laboratory techniques to  
investigate 'evidence' and 'solve crimes!'





# SOCIAL STUDIES ELECTIVES



SOCIAL STUDIES

# AROUND THE WORLD IN 45 DAYS

Create a travel agency! You and your team will become geographic and cultural experts to create successful trips for your customers. Are you up to the challenge?







## SOCIAL STUDIES

# IT'S IN THE NEWS!

How aware are you? In-class competitions, information gathering, and conversation revolve around current events in this exciting elective.



SOCIAL STUDIES

# US MILITARY HISTORY

Research and discuss the United States military's famous leaders, weaponry, medical techniques, technology, and changing roles of personnel through time.







## SOCIAL STUDIES

# YOUTH AND THE LAW

How does the law affect you? Through “peer simulations” of trials, video examples, and guest speakers, you’ll get a taste all the different aspects of the legal system. Learn about civil and criminal law, the court system, youth rights and responsibilities and consequences of actions or decisions.





# GENERAL STUDIES ELECTIVES



GENERAL STUDIES

# CHESS

Learn all about the game of chess, its backgrounds and origins. You will have fun opportunities for learning, play, and competition with peers.

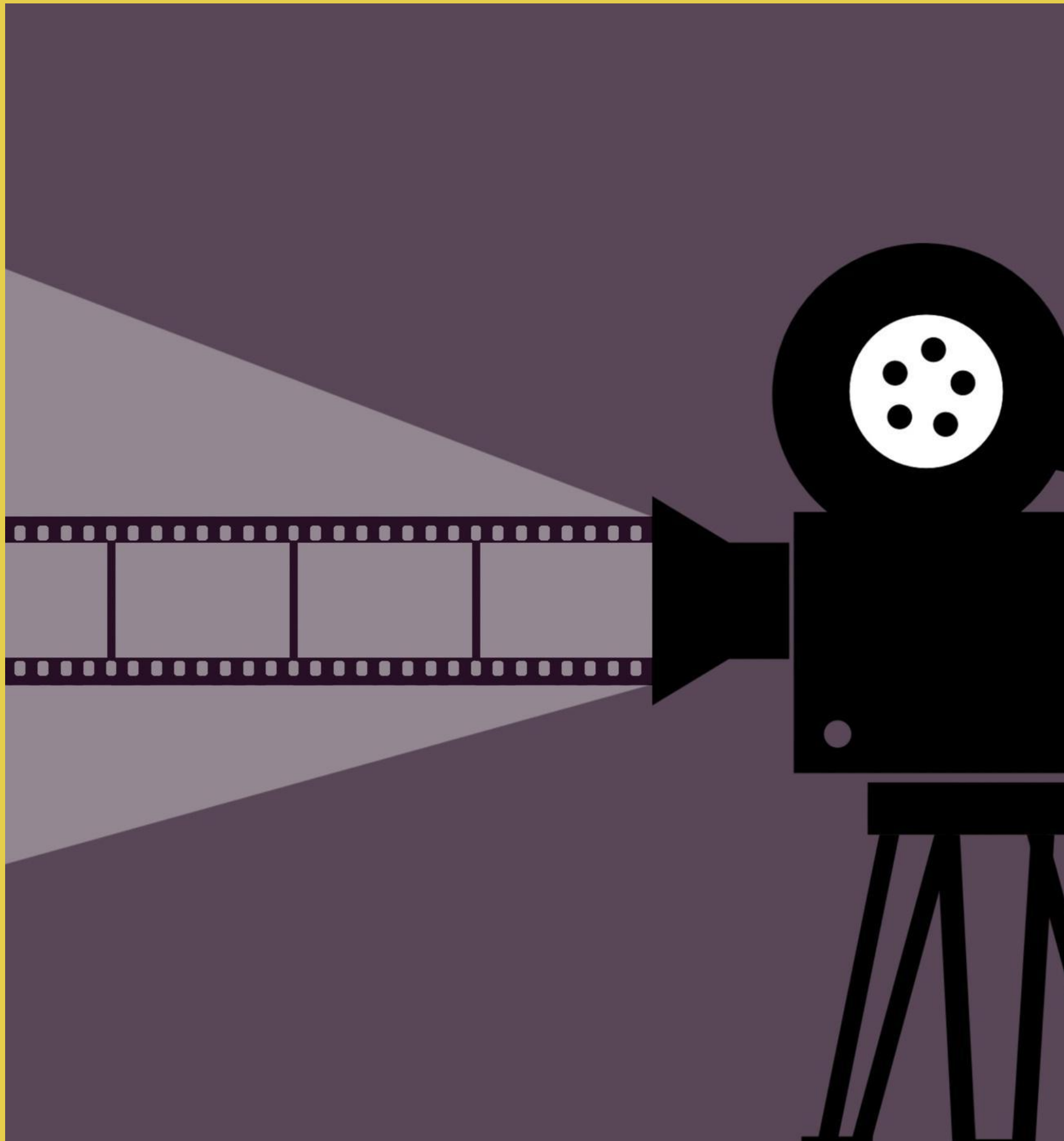




GENERAL STUDIES

# FILM ANALYSIS I

Study various genres and time frames of film. Compare and contrast your personal experiences with those shown on screen as you learn to watch movies critically and express your point of view.





GENERAL STUDIES

# FILM ANALYSIS II

This is an in-depth study of film that will take you into every aspect from Film Analysis I in much greater detail, allowing for more hands-on experience with film creation.





## GENERAL STUDIES

# SIGN LANGUAGE

This course is an introduction to sign language, the manual alphabet, and sign vocabulary of 300-400 words, as well as the history of signing. Students will gain an understanding of hearing impaired persons and acquire skills to communicate with the deaf and hearing impaired.





GENERAL STUDIES

# VIDEO PRODUCTION

Learn different aspects of how video is created and produced. Research and storyboard techniques will be used as you work with a team to enhance your skills in producing high quality video.







# THEATRE ELECTIVES



THEATRE

# INTRODUCTION TO THEATRE

This introductory class allows you to explore all things theatre related! . Some of the elements taught in this class include theatre history, plot and storytelling, set design, and technical theatre.







## THEATRE

# ACTING I

Calling all Actors! This class allows you to explore characters and situations through various interactive resources! You will use theatre games and prepared scripts to improve improvisation skills and gain a better understanding of the proper use of voice and diction.



THEATRE

# TECHNICAL THEATRE

Learn the basic concepts of technical theatre including stagecraft, lighting, and sound. See how the backstage work makes the onstage magic happen!







# TECHNOLOGY ELECTIVES



TECHNOLOGY

# ROBOTICS

“You get to build really cool robots,” says a sixth grade student! Learn using Lego blocks, gears, motors, and computer programming to build and problem solve.







## TECHNOLOGY

# EXPLORING ENGINEERING & DESIGN

In this class, you apply the design process in the invention or innovation of a new product, process, or system. Through engaging activities and hands-on projects, you focus on understanding how criteria, constraints, and processes affect designs.



## TECHNOLOGY

# EXPLORING TECHNOLOGY

This course focuses on applying the design process in the invention or innovation of a new product, process, or system. Through engaging activities and hand-on projects, you focus on understanding how criteria, constraints, and processes affect design.







## TECHNOLOGY

# NANOTECHNOLOGY ENGINEERING MINDSET

How do the elements of the environment affect the good health of humans? Learn how .....then use technology to design a product that will help monitor human health.





MAGNET COMPETITION ELECTIVES



COMPETITION ELECTIVES

# BRAIN GAMES (HISTORY FAIR)

If you enjoy social studies and historical events, this class gives you the opportunity to explore a historical topic of your choice. During the two quarters spent in this class, you will develop a final project which will be used for various levels of competition against other students.





## COMPETITION ELECTIVES



# OLYMPIADS OF MATH AND SCIENCE ("SCIENCE OLYMPIADS")

In this class, you will explore Science and Mathematics concepts and principles in innovative situations that enhance problem-solving skills. As you complete both independent and group projects, you will have the opportunity to compete with other students in problem solving scenarios related to science and math.



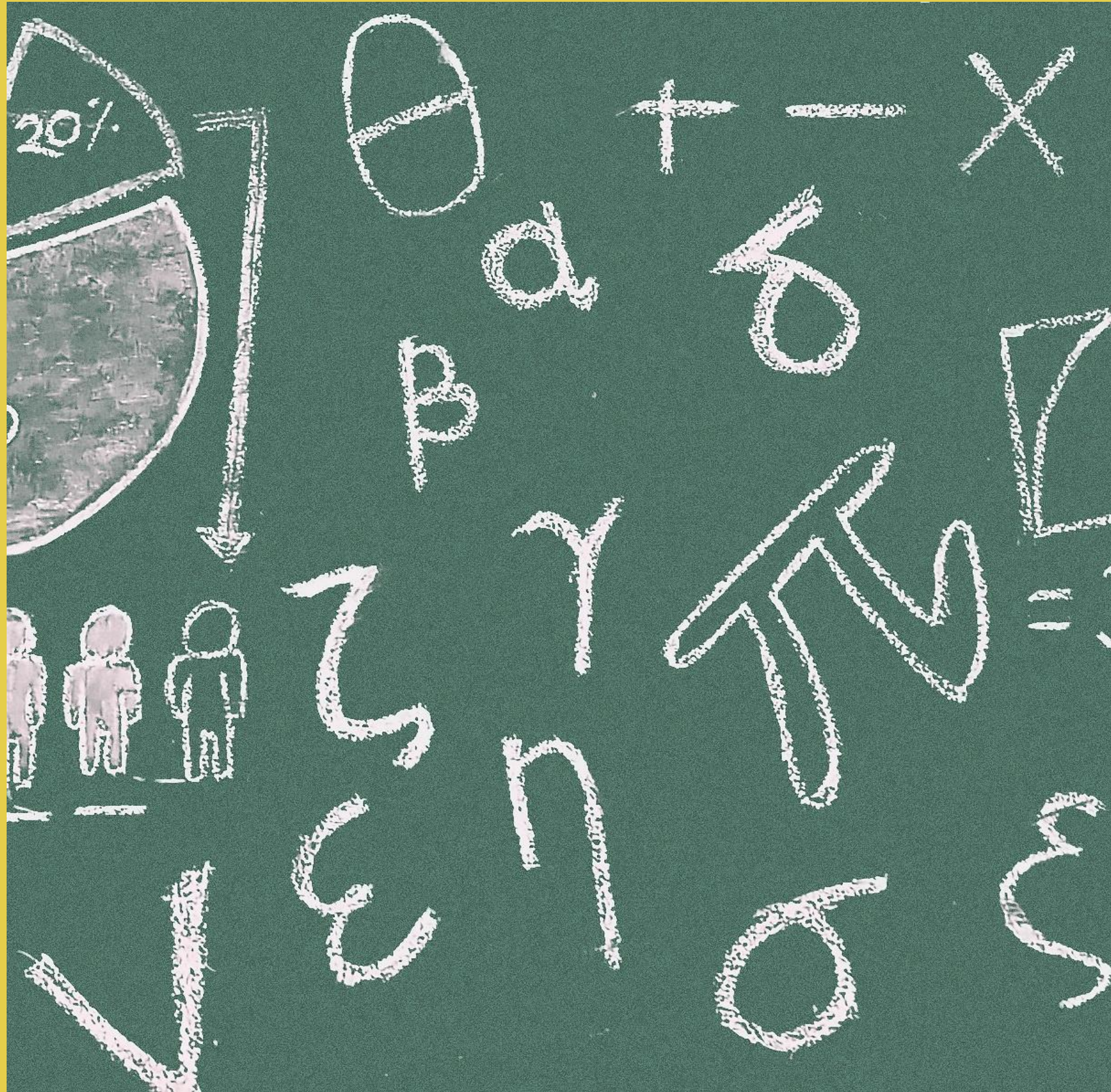
COMPETITION ELECTIVES

# ODYSSEY OF THE MIND

As you apply creativity to solve problems that range from building mechanical devices to presenting your own interpretation of literary classics, you further develop your logical problem solving skills throughout this class. You will also have the opportunity to compete with other students in problem solving scenarios.







## COMPETITION ELECTIVES

# MATH COUNTS

With a combination of math drills and complex problem solving, this elective provides opportunities for all math lovers! In addition, you will have the opportunity to compete with other students in problem solving and math drill competitions.