CULINARY ARTS 1 AND 2

CULINARY 1 & 2 YOU QUALIFY FOR COLLEGE CREDIT



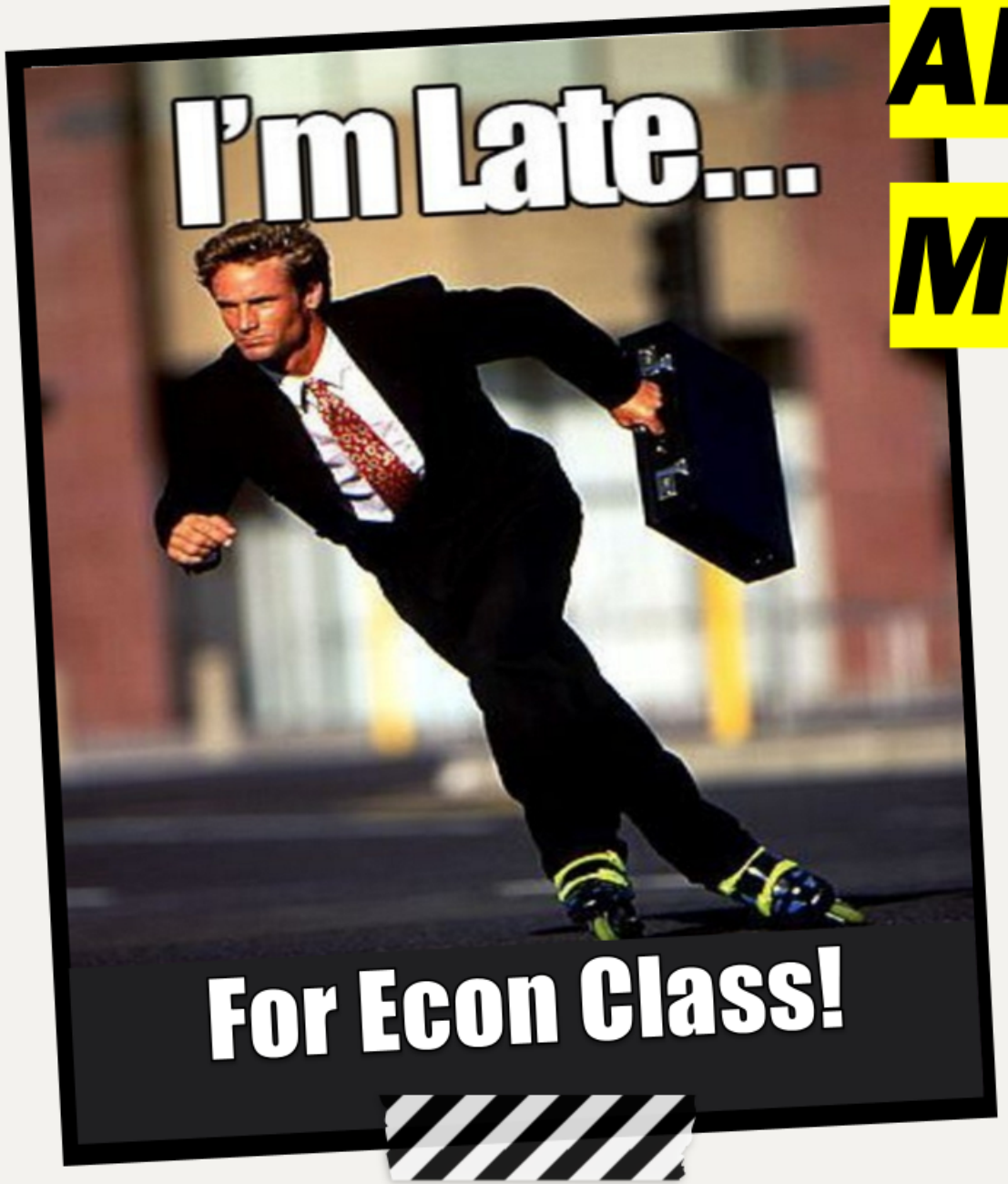




MARKETING CLASSES

College Credit!

Business & Marketing Foundations	Analyze customers, products & advertising
Retail Operations (Year 1) & Management (Year 2)	(Student Store) Develop products & business management skills
Sports & Entertainment	Analyze entertainment marketing strategizes
Digital Marketing & Social Media	Analytics & strategies to improve your digital marketing



AP Micro/ Macroeconomics

AP Microeconomics/ Macroeconomics is a yearlong introductory college-level economics course

- No prerequisites. If you're thinking of studying business, marketing, or finance in college, get a head start!
- This course will cover the basics of economics, including the fundamentals, how markets work, and the role of government in the economy through games, simulations, and projects. Let's have some fun!

CTE and Social Studies elective

Earn up to 15 college credits!

No assigned homework!

Open to 10^{th}-12^{th} grade

Business & Marketing Foundations

Learn the foundations of Entrepreneurship and application of Marketing Strategies and Concepts in the world of Business. You will learn different types and forms of business and how to establish a business.

Apply the skills you learn to DECA!

Earn 5 College Credits!

*Prerequisite to working in the Student Store (Retail Operations)!



RETAIL OPERATIONS (1ST YEAR)

RETAIL MANAGEMENT(2ND YEAR)

- WHAT DO YOU LEARN?

1. DESIGN MERCHANDISE FOR LWHS COMMUNITY CUSTOMERS
2. LEARN HOW TO HANDLE MONEY
3. LEARN HOW TO OPERATE THE REGISTER
4. LEARN HOW TO USE SELLING AND PROMOTION TECHNIQUES
5. APPLY WHAT YOU LEARN INTO THE STUDENT STORE (KANG KORNER & KAFE)

****Earn College Credit****



BUSINESS & FINANCE CLASSES

College Credit!

Personal Finance	Banking, investing, insurance, credit cards, taxes, budgeting … all that “adult” stuff
Personal Finance #2: **Wealth Management**	Want more!? Go deeper into investing and money management
Accounting	Take your business knowledge one step further and follow the numbers
AP Micro/ Macroeconomics	Learn how the economy works from the global to business level
Financial Algebra	Financial literacy strategies mixed with Algebra open to Juniors & Seniors (Math Credit)

Personal Finance also known as Advanced Wealth Management!

- Did you take personal finance, but want to learn more about wealth management? Take this class!
- One semester elective for those who have already taken personal finance (juniors and seniors)
- Contact Mr. Green for more details. cargreen@lwsd.org)



CHILD DEVELOPMENT



- LEARN ABOUT THE PHYSICAL, INTELLECTUAL, EMOTIONAL, AND SOCIAL DEVELOPMENT OF A CHILD, STARTING WITH PREGNANCY AND ENDING WITH LEARNING THEORIES.
- EXTENDED LEARNING PROJECT OPPORTUNITIES, INCLUDING TAKING HOME THE REAL CARE BABY!

Contact Ms. Fradkin if you have questions: sfradkin@lwsd.org

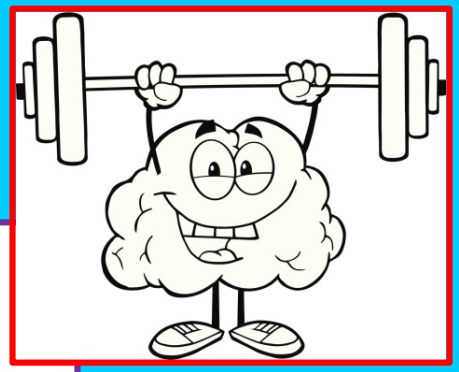
Careers in Education

- Interested in a future career in education? Here's your chance to learn!
- Prerequisite: Child Development or Psychology, open to juniors and seniors
- Contact Ms. Fradkin for details (sfradkin@lwsd.org)



PSYCHOLOGY





1 semester, Grades 9-12, Occasional Homework

Meets Social Studies &
Occupational Education Requirements

Find out what makes people tick!

How can you improve your memory?

Why do we dream? **Are you hypnotizable?**

Are IQ tests accurate?

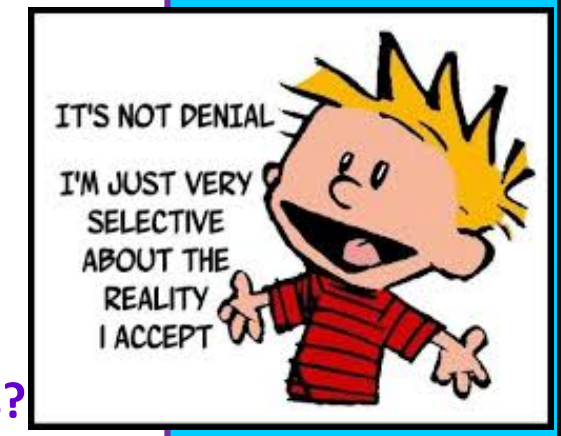
Why do people choose to help (or not to help) others?

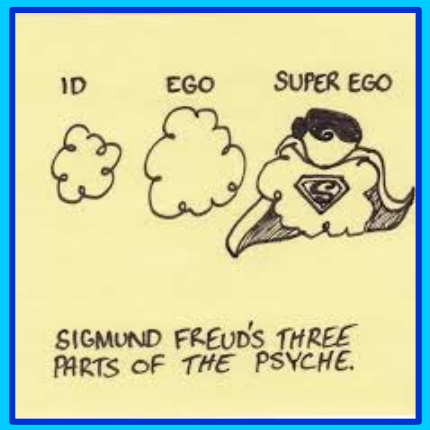
Which human characteristics are universal?

How are our minds and bodies connected?

Learn about the human mind and behavior through discussion, group activities, demonstrations, projects, video and case studies.









AP Psychology

Dual Credit Course

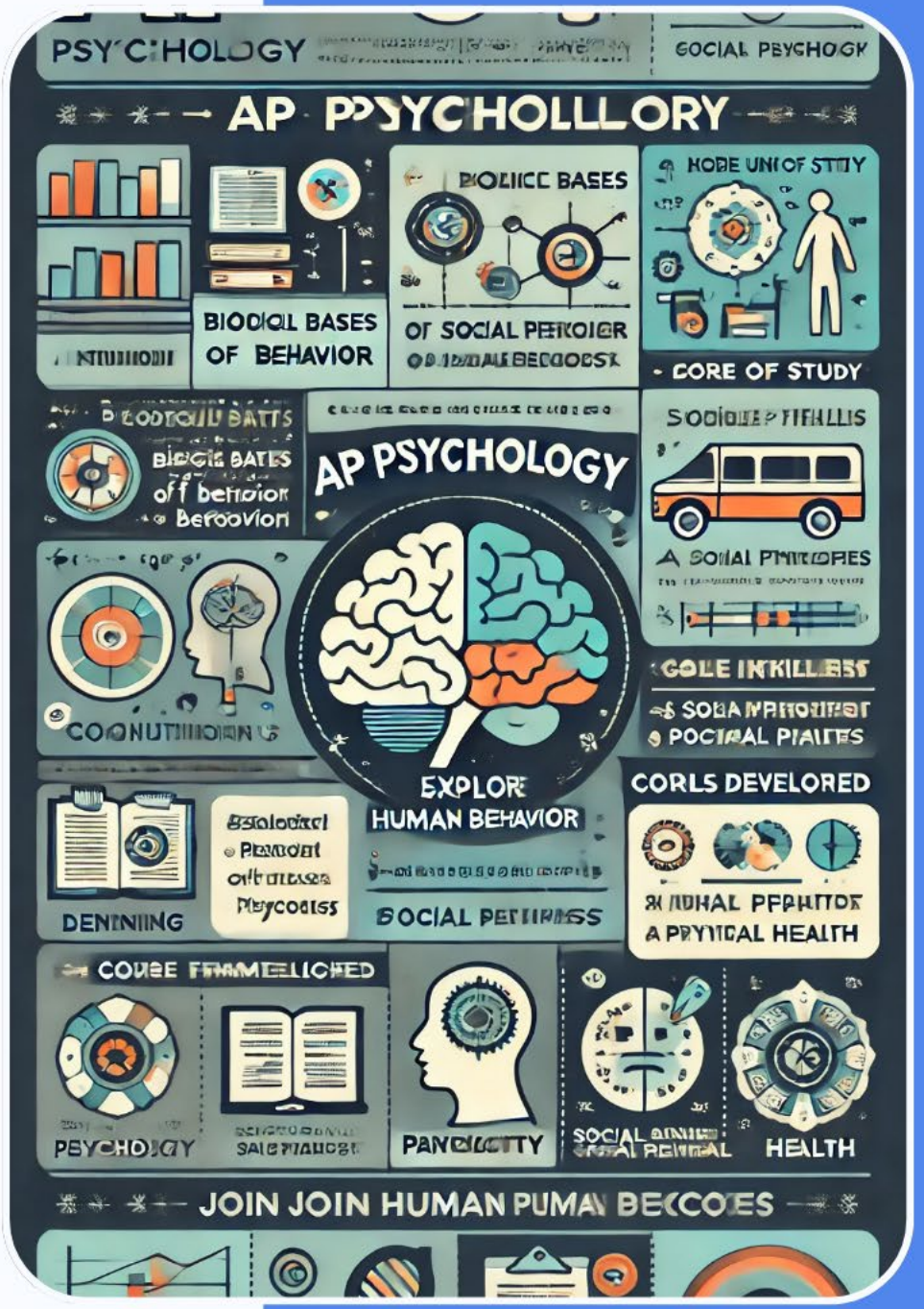
- College-level course exploring human behavior and mental processes
- Scientific approach to understanding psychology
- Dual credit opportunity: Earn both CTE and history credits
- Preparation for undergraduate psychology coursework
- Develops critical thinking and analytical skills

Course Benefits

- College Credit Opportunity
- Enhanced Understanding of Human Behavior
- Development of Scientific Thinking
- Preparation for College Success
- Career Exploration in Psychology
- Flexible Course Framework
- Real-World Applications

Skills You'll Develop

- Scientific Research Methods
- Data Interpretation
- Evidence-Based Analysis
- Critical Thinking
- Effective Communication
- Application of Psychological Theories
- Understanding Human Behavior



VIDEO PRODUCTION 1 & 2

Get hands-on experience planning, writing, directing, shooting, editing and producing video using digital video cameras and professional editing software.

Work alone and in groups on various video projects, including: public service announcements, music videos, documentaries, and short films. Videos may be selected for entry into competitions.

This class prepares you for advanced college courses and/ or for work in industry.

BROADCAST COMMUNICATIONS

Learn about:

- **News and Sports broadcasting**
- **Studio and Control Room operations**
- **Writing, interviewing, filming, and editing skills**

Join the KANG TV News Team as:

- **News Anchors & Reporters**
- **Videographers & Editors**
- **Studio & Control Room crew**

Learn from workshops with local broadcasting and other industry pros

***Your work may be entered into competitions**

LEADERSHIP AND PROJECT MANAGEMENT 1

- YEAR LONG CLASS
- ANYONE CAN SIGN UP!
- COUNTS FOR CTE CREDIT.
- LEARN ALL ABOUT LEADERSHIP AND HOW IT APPLIES TO THE REAL WORLD
- PLAN PROJECTS TO CREATE POSITIVE CHANGE AT LW
- TAKE THIS CLASS IF YOU'RE IN 8TH, 9TH, OR 10TH GRADE AND SOMEDAY WANT TO BE IN ASB LEADERSHIP OR BE A CLASS OFFICER.



LEADERSHIP AND PROJECT MANAGEMENT 2

- ASB LEADERSHIP
- CTE CREDIT
- REGISTER IF YOU PLAN TO RUN OR APPLY
  - ELECTIONS HAPPEN IN MARCH.
  - JOIN BY RUNNING FOR ASB OFFICE (10TH AND 11TH GRADERS), CLASS OFFICE, OR APPLYING FOR A COMMISSIONER ROLE.
- WANT MORE INFORMATION? EMAIL ZGRUNDL@LWSD.ORG



AP COMPUTER SCIENCE PRINCIPLES

THE COMPUTER CONCEPTS AP CLASS

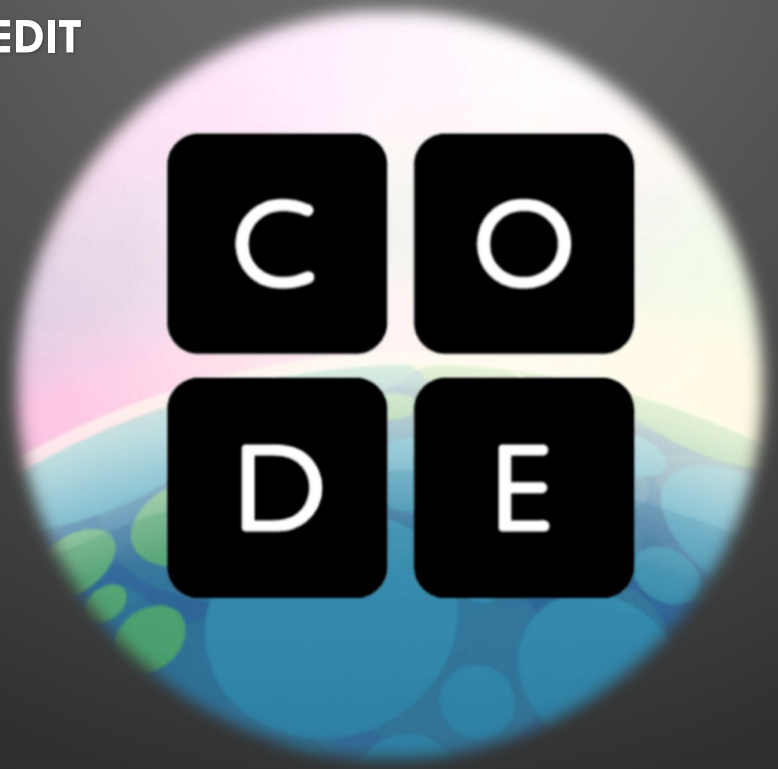
1 YEAR; OCCED OR SCIENCE CREDIT

OVERVIEW

- PREREQUISITES: GEOMETRY
- LANGUAGE: JAVASCRIPT (BEGINNING LEVEL)
- HOMEWORK: 15-20 MINUTES/NIGHT

CURRICULUM

- CODE.ORG
- UW SIMILAR CLASSES: CSE 120 - COMPUTER SCIENCE PRINCIPLES



- Think critically about a variety of topics in computer science: the Internet, Big Data, Encryption, Hacking and Computing Innovations.
- You will be able to program in JavaScript at a starting level and submit an app using Code.org's App Lab as a final project
- No prior programming experience needed!
- Designed to be equivalent to computer science for non-majors at the college level. Engaging for students of all levels / backgrounds.

AP COMPUTER SCIENCE A

THE PROGRAMMING CLASS

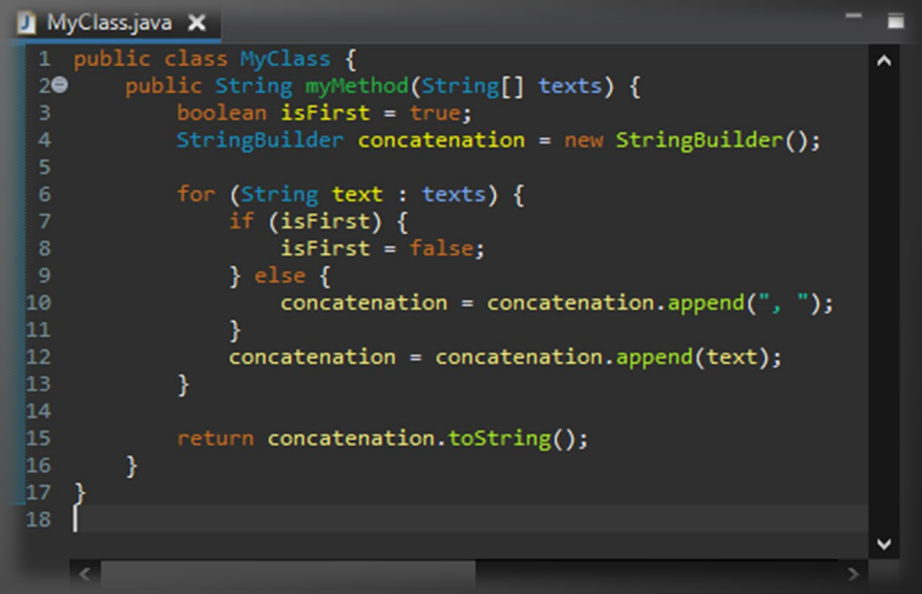
1 YEAR; OCCED OR SCIENCE CREDIT

OVERVIEW

- PREREQUISITES: 10TH GRADE, ALGEBRA 2 OR AP COMPUTER SCIENCE PRINCIPLES
- LANGUAGE: JAVA (BEGINNING - INTERMEDIATE LEVEL)
- HOMEWORK: 30-45 MINUTES/NIGHT

CURRICULUM

- CURRICULUM: UNIVERSITY OF WASHINGTON / MICROSOFT TEALS
- UW SIMILAR CLASSES: CSE 142 - COMPUTER PROGRAMMING I



- 97% of LW students pass AP the test (4.5 average score)
- You will know how to program in Java at a college level.
- No prior programming experience needed!
- If you can only take one-year computer science class at LW, you are a strong student, and you are interested in STEM fields, then this is the course for you!
- Lab based course.

Data Structures

- Now that you've finished AP Computer Science A, are you interested in taking your skills to the next level?
- This is a one-year elective choice, open to those who have completed AP Computer Science A (juniors and seniors)
- Contact Ms. Barnes or Mr. Stave for details (abarnes@lwsd.org, tstave@lwsd.org)





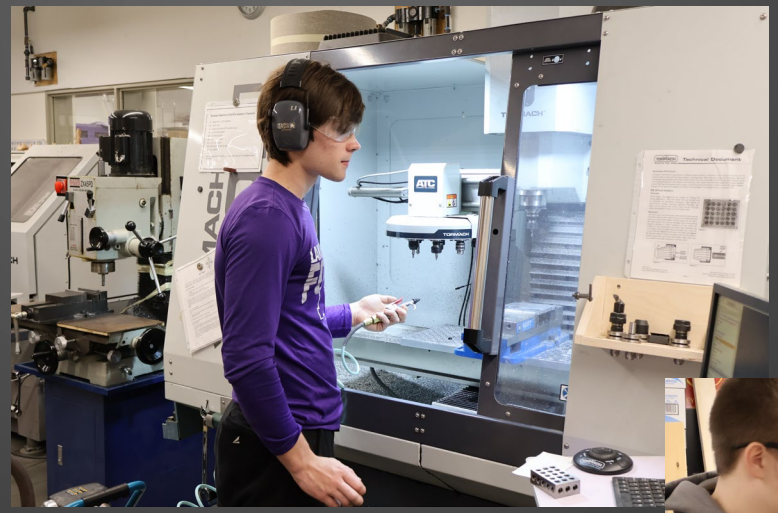
ROBOTICS 1



- BUILD A VEX ROBOT
- PROGRAM SIMPLE ICONS
- CREATIVITY IN DESIGN
- BUILD AND PROGRAM A SMALL ROBOT USING KIT PARTS
- ADD ENHANCEMENTS MAKE THE ROBOT FAST, AGILE, ABLE TO PLAY SOCCER IT IS FAST AND FUN!

INTRODUCTION TO ENGINEERING DESIGN

- CREATIVE PROBLEM SOLVING
- CONSTRUCTING PROJECTS THAT PROVIDE SOLUTIONS
- LEARN TO USE THE SHOP MACHINERY
- COLLEGE CREDIT ELIGIBLE





STEM SPECIAL PROJECTS

PROJECTS THAT STRESS CREATIVITY

LEARN NEW SKILLS

TANGIBLE WORK PRIDE IN COMPLETION

MANUAL WOODWORK, CNC WOODWORK, MANUAL MACHINING, CNC MACHINING, 3D PRINTING, MACHINE MAINTENANCE





Interested in learning about marine ecosystems?

Curious about how humans are impacting the oceans?



MARINE SCIENCE HUMAN IMPACT





Ecosystems Studied:

The Deep Sea, Rocky Intertidal Zones, & Kelp Forests

Includes a field trip and at least one dissection!

1 semester
Science OR CTE credit!

Interested in learning about marine ecosystems?

Curious about how climate is impacting the oceans?



MARINE SCIENCE CLIMATE CHANGE!





Ecosystems Studied:

Polar Oceans, Coral Reefs, & the Salish Sea

Includes a field trip and at least one dissection!

1 semester
Science OR CTE credit!

Care for indoor plants, microgreens, mushrooms, and more.

Become informed on garden production and how to plan your own!

Urban Ag

Learn about types of food production and food grown in urban areas.

- 1 semester
- CTE & Science
- earn college credit!

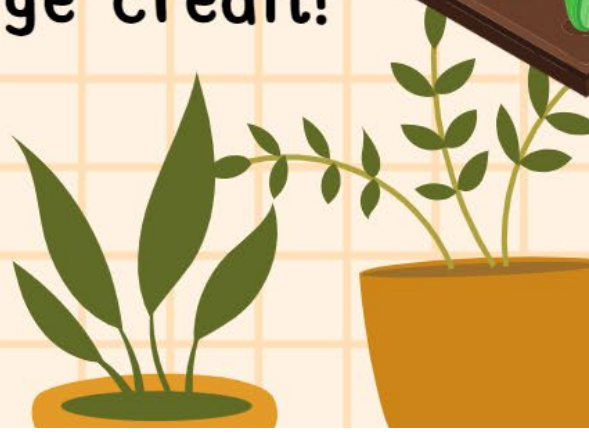
Gain hands-on experience in LW Agriculture's Outdoor Learning Lab!

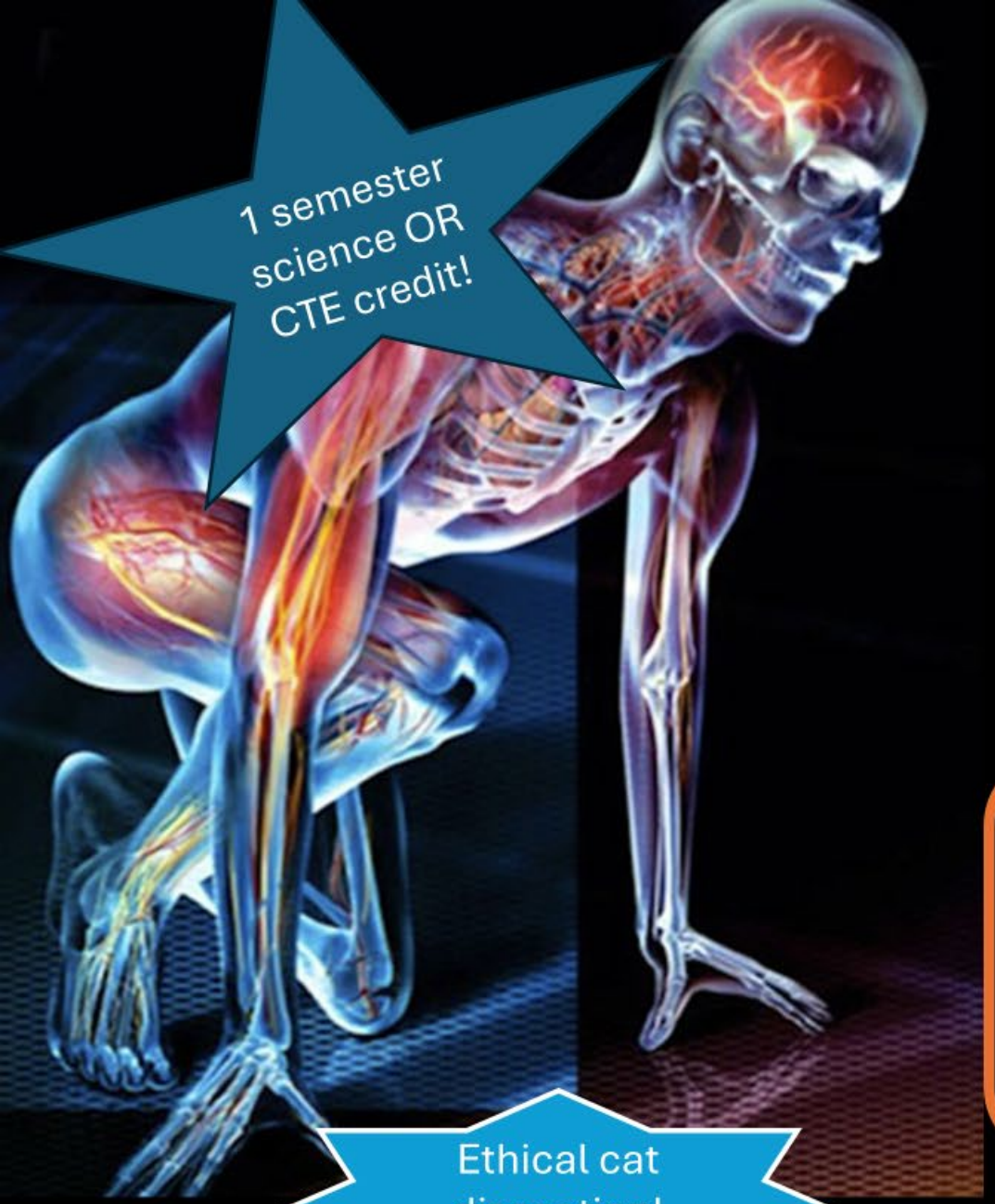
take this class!











1 semester science OR CTE credit!

Ethical cat dissection!

Interested in how the body works?
Want to learn about health and medicine?
Curious about diseases and disorders?

ANATOMY & PHYSIOLOGY: Movement and Transport!

Human body systems include:

- Skeletal
- Muscular
- Cardiovascular
- Immune

Connections to nursing, PT, orthopedics, kinesiology

Floral Design & Production

take this class!

Create floral arrangements, flower art, design w/ plants!

1 semester
CTE & Fine Arts

Learn about flower production and growing your own!

Gain hands-on experience using fresh flowers, preserved flowers, and growing in our Outdoor Learning Lab!

Journalism

(General Elective)

LEARN:

WHAT IS JOURNALISM?
SPOT FAKE NEWS!

CREATE:

A NEWS STORY
A PHOTO ESSAY
A PODCAST
A VIDEO NEWS REPORT



Email Mrs. Wacker kwacker@lwsd.org for more information.

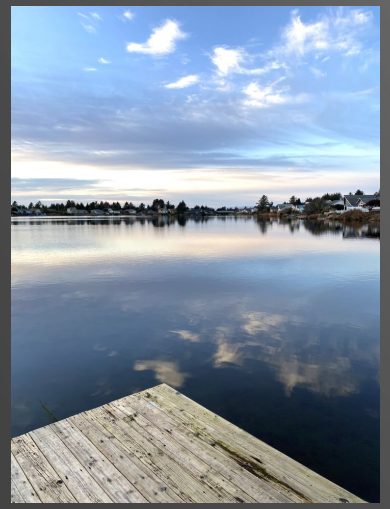
PHOTO 1A: INTRO

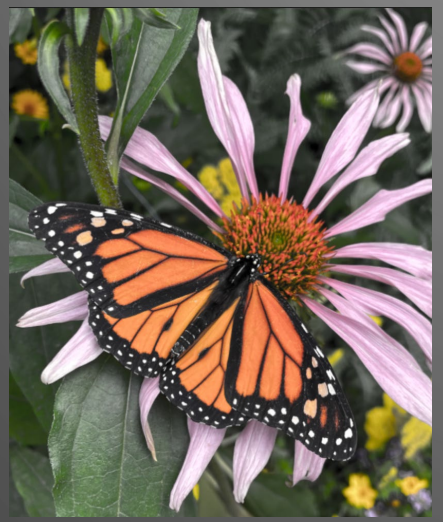
Photo1A+1B= 4 LW Tech college credits

LEARN TO USE DSLR CAMERAS

ELEMENTS OF ART, EXPOSURE TRIANGLE , COMPOSITION, LIGHT, COLOR









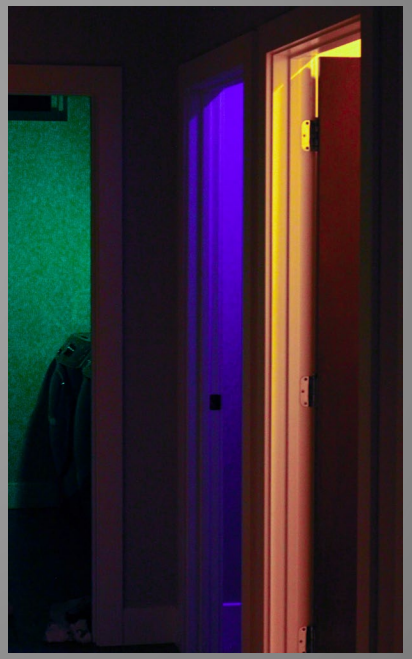










PHOTO 1B / PHOTO 2A: 2 ADVANCED PHOTO CLASSES IN ONE PERIOD
PHOTO 2B: ADDED TO ANY PHOTO PERIOD FOR INDEPENDENT STUDY

CTE or Fine Arts
Dual Credit
Career Pathways

Photo1A+1B = 4 LW Tech college credits for only $ 50
Photo 2A + Photo 2B = 4 **MORE** LW Tech College Credit for $50

Photo Contests
Exhibits
Improve Skills

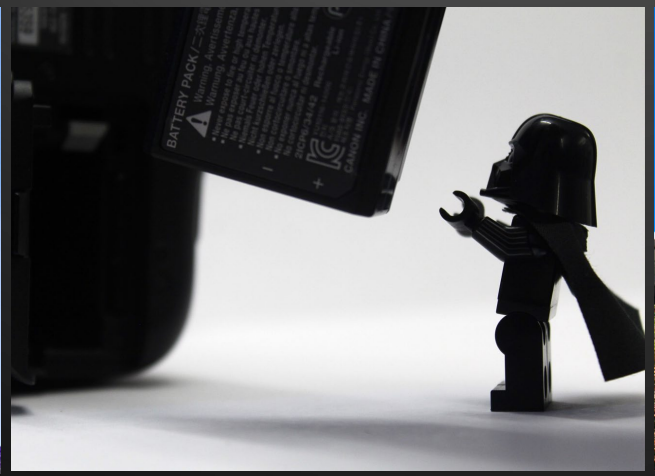
PHOTO1B = LENSES, PRINCIPLES OF DESIGN, THEMES, PORTRAITS, ABSTRACT, STILL LIFE

PHOTO 2A = STUDIO LIGHTS, THEMES, STORYTELLING, ABSTRACT ARCHITECTURE, INDEPENDENT PROJECT

PHOTO 2B = CHOICE PROJECTS, ABODE PHOTOSHOP ASSOCIATE CERTIFICATION, PORTFOLIO WEBSITE

NEW!









Graphic Production and Design

WITH MR. NIPP

Software: Adobe Illustrator, Adobe Photoshop

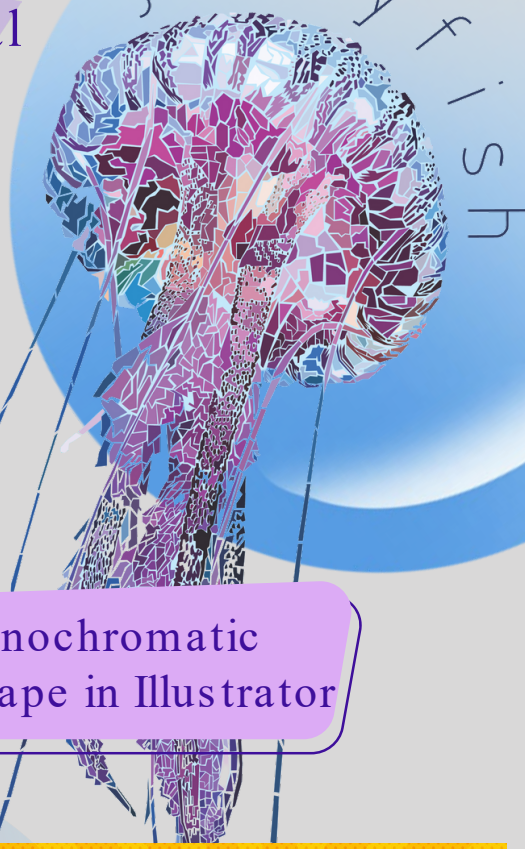
1 semester .5 CTE credit | College Credit

- Use vector and raster graphics
- Create posters and logos
- Create a monochromatic landscape
- Learn to create text effects
- Team up to design a wrap for a food truck
- Print on a wide-format Epson printer
- Intro to 3D modeling and 3D printing

In class, project-based, self-paced learning



Create an animal using only polygons!



Monochromatic landscape in Illustrator

Make your text POP with text effects



WANT MORE INFO? JNIPP@LWSD.ORG

Industrial Design/ 3D Printing

WITH MR. NIPP



Software: Autodesk Fusion 360 | Blender | CURA

1 semester .5 CTE credit



- Model in Fusion 360
- 3D print - IN CLASS!
- Create functional parts
- Learn fitment, clearance, and tolerance
- Design and print your ideas and inventions

In class, project-based, self-paced learning



WANT MORE INFO? JNIPP@LWSD.ORG

Yearbook I and II

With Mr. Nipp

Software: Yearbook Ave | Photoshop | Canva

Full Year 1 CTE credit
Current Freshmen/Sophomores Only
College Credit

- Capture events and activities with photos
- Collect quotes from students, teachers, and staff.
- Design the yearbook using Yearbook Avenue
- Manage deadlines, coordinate photo shoots, and plan content.
- Use Social Media to Promote the yearbook and engage students.
- Work collaboratively





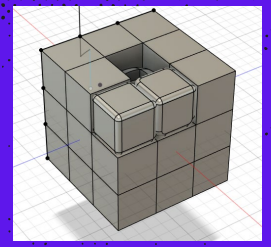




Want more info? jnipp@lwsd.org

Commercial Art and Design

NEW CLASS!

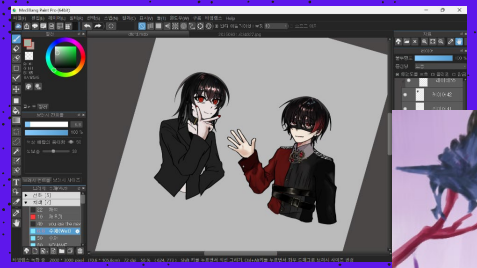


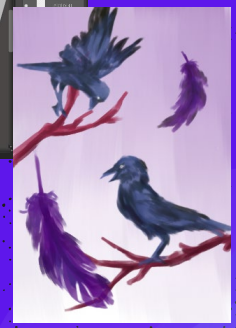
Designed & 3D printed rubric cube

Software: Adobe Illustrator | Adobe Photoshop | Adobe InDesign | Fusion 360

1 semester .5 CTE credit | College Credit

Graphic Production or Industrial Design Prerequisite





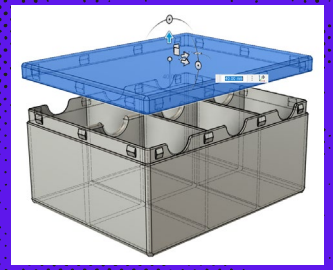


WACOM drawing tablets for digital art

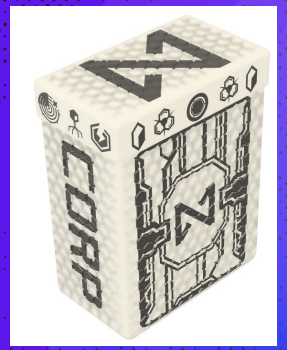


ULTIMAKER S7 3D PRINTERS

- Master Industry Software
- Hands-On Projects
- Build Your Portfolio
- Learn Business Skills
- Collaborative Experience



Design



Prototype & print



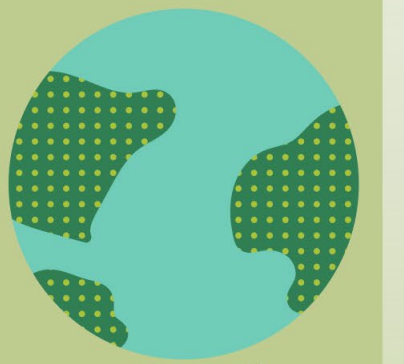
Complete project

In class, project-based, self-paced learning

WANT MORE INFO? JNIPP@LWSD.ORG

AP ENVIROMENTAL SCIENCE

- Learn all about....
  - Ecosystem biology
  - The science of climate change AND pollution!
  - Sustainability
- Fun projects and field trips!
  - Woodland Park Zoo
  - Bubble parenting
  - Design your own city
  - Cemetery Lab
- Course requirements:
  - Biology is a prerequisite!
  - Chemistry taken at the same time or previously!





EARN UP TO 5 COLLEGE CREDITS!