BURNS SCITECH HIGH SCHOOL ACADEMIC NIGHT

STANDARD HIGH SCHOOL DIPLOMA

CATEGORIES	CREDITS
ENGLISH LANGUAGE ARTS ELA honors, Advanced Placement (AP), and dual enrollment courses satisfy this requirement	may 4
 MATHEMATICS 1 credit in Algebra I (EOC= 30% and Pass EOC) 1 credit in Geometry (EOC = 30%) 2 credits in any additional math courses* 	4
 SCIENCE 1 credit in Biology (EOC = 30%) Two of the three required course credits must have a laborate component 	tory 3
 SOCIAL STUDIES 1 credit in World History 1 credit in United States History (EOC = 30%) ½ credit in Economics ½ credit in United States Government 	3

STANDARD HIGH SCHOOL DIPLOMA

CATEGORIES	CREDITS
PHYSICAL EDUCATION • ½ credit in Personal Fitness • ½ credit in any other PE course	1
PERFORMING FINE ARTS	1
Personal Financial Literacy and Money Management	1/2
ELECTIVES	8
TOTAL	24 Credits

- 2.0 Grade Point Average (GPA)
- One course must be taken online
- Grade 10 English Language Arts (ELA) or a concordant score
- Algebra 1 end of course (EOC) or a comparative score

STANDARDIZED ASSESSMENTS

- ► Grade 10 FSA ELA (Writing & Reading)
- Algebra 1 End of Course (EOC)
- ► You MUST Pass BOTH to graduate

End of Course (EOC) Exams

- ▶ Biology EOC (30 %)
- FSA Algebra 1 EOC (30%)
- FSA Geometry EOC (30%)
- ▶ US History EOC (30%)
- ▶ EOC courses are full year
- No credit is awarded until the EOC is taken & factored into your grade

GRADE POINT AVERAGE (GPA)

Weighted GPA

- AP and Dual Enrollment = 5.0 scale
- Honors courses = 4.5 scale
- Regular courses = 4.0 scale
- Used for college entrance

Unweighted GPA

- All courses are on a 4.0 scale
- Used to graduate high school

SCHOLAR DIPLOMA DESIGNATION

Meet the 24-credit diploma requirements, and:

- •Earn 1 credit in Algebra 2 or an equally rigorous course
- •Pass the Geometry EOC
- •Earn 1 credit in Statistics or an equally rigorous math/course (Pre-Calculus Honors, Dual Enrollment Math, Ap/math)
- •Pass the Biology 1 EOC*
- •Earn 1 credit in Chemistry or Physics
- •Earn 1 credit in a course equally rigorous to Chemistry/Physics
- •Pass the U.S. History EOC*
- •Earn 2 credits in the same World Language
- •Earn at least 1 credit in an AP or a dual enrollment course

MERIT DIPLOMA DESIGNATION

- •Meet the standard high school diploma requirements
- •Attain one or more industry certifications

STATE UNIVERSITY SYSTEM (SUS)

Admission into Florida's public universities is competitive.

- Prospective students should complete a rigorous course of study in high school.
- Apply to more than one university to increase their chances of acceptance.
- To qualify to enter one of Florida's public universities, a first-time-in-college student must meet the following minimum requirements...

STATE UNIVERSITY SYSTEM (SUS)

High school graduation with a standard diploma, a minimum of a 2.5 GPA, and admission test scores.

- 16 credits of approved college preparatory academic courses
- •4 English (3 with substantial writing)
- •4 Mathematics (Algebra 1 level and above)
- •3 Natural Science (2 with substantial lab)
- •3 Social Science
- •2 World Language (sequential, in the same language)
- •2 approved electives

Eligibility Requirements

- •Be enrolled in 6th 12th grade
- •Have taken at least one high school-level course
- •College credit programs: 3.0 cumulative, unweighted high school GPA
- •Vocational programs: 2.0 cumulative, unweighted high school GPA

Dual Enrollment Process

	Summer 2024	Fall 2024
Registration Begins	April 4	April 4
Registration Deadline	May 6	May 31

Important Dates

• Students must complete their DSC admissions application, placement testing, and submit a signed dual enrollment form with courses elected for Full/A/B term courses by this date to be enrolled.

1. Confirm Eligibility

Talk to your school counselor to verify (3PA (3.0), eligibility, high school graduation requirements, and college readiness.

2. Apply to DSC

Choose "Dual Enroll" as your Academic Plan.

3. Placement Testing (PERT)

Visit any DSC Assessment Office for placement testing (PERT).

Burns offers the Test

(2/12 - reading & writing; **2/13** - math)

Already have test scores?

Submit them with your Dual Enrollment Form.

DUAL ENROLLMENT

PERT Min Score	Reading	Writing	Math
SLS 1122	84	90	
ENC 1101	106	103	
MAT1033/MGF2106/MGF2 107			114
MAC1105			123-134
MAC1140/MAC1114/STA20 23			135-144
MAC2233/MAC2311c			145-150

4. New Student Advising

Schedule your virtual group new student advising session for an overview of the programs offered, how to select courses, important dates, dual enfollment guidelines, and your Dual Enrollment Form.

5. Complete Your Dual Enrollment Form

Complete your Dual Enrollment Form, then connect with your school counselor to review your course selections. Submit completed forms to DualEnrollment@DaytonaState.edu.

6. Check Your Falcon Mail

All registration questions and confirmations will be sent to your DSC student email.

Things to Consider:

- Dual-enrolled students are limited to 2 fully online courses per 15-week semester, with the exception of students who have earned at least 30 credits and have a minimum 3.5 DSC GPA.
- All courses taken at DSC will become a part of the student's permanent college transcript.
- Course materials and class discussions may involve mature topics not typically included in secondary courses. Courses are not modified to accommodate variations in student age and maturity.

ADVANCED PLACEMENT (AP) COURSES



Earn College Credit and Placement- Your AP score could earn you college credits before you even set foot on campus. In fact, most AP students who enroll in four-year colleges start school with some credit.



Stand Out to Colleges - "AP" on your high school transcript shows colleges you're motivated to succeed, and taking the exam demonstrates your commitment to tackle and complete college-level work.



Save Money and Time - Earning credit or placement can open up time on your schedule or even let you graduate early.

ADVANCED PLACEMENT (AP) COURSES



AP US HISTORY



AP ENGLISH
LANGUAGE AND
COMPOSITION



AP ENGLISH
LITERATURE AND
COMPOSITION



AP BIOLOGY



AP CHEMISTRY



AP PHYSICS 1 & 2



AP PRE/CALCULUS



AP STATISTICS



AP 2-D ART PORTFOLIO



AP/PSYCHOLOGY

BRIGHT FUTURES SCHOLARSHIP PROGRAM

Initial Eligibility Requirements:

- 1. Submit the Florida Financial Aid Application (FFAA) no later that August 31 after high school graduation.
- 2. Graduated from a Florida high school with a standard high school diploma or its equivalent.
- 3. Complete the 16 college-preparatory courses required for admission to a state university.
- 4. Achieve the required weighted GPA in the 16 college preparatory courses per the chart below.
- 5. Achieve the required composite ACT® or combined SAT® score no later than June 30 of the student's graduation year.
- 6. Complete the required number of volunteer service or paid work hours per the chart below.

Next BrightFutures Student Training with Ms. B: Friday 1/26 Eagle Hour

BRIGHT FUTURES SCHOLARSHIP PROGRAM

Type	16 High School College Preparatory Course Credits 1	Weighted Bright Futures GPA	College Entrance Exams by High School Graduation Year (ACT® /SAT®)	Volunteer Service Hours	Paid Work Hours
Florida Academic Scholars (Full)	4 - English (three must include substantial writing) 4 - Mathematics (at or above the Algebra I level)	3.50	2023-24 Graduates: 29/96/1340 2024-25 Graduates: 29/96/1340	100 hours	100 hours
Florida Medallion Scholars (75%)	3 - Natural Science (two must have substantial laboratory) 3 - Social Science 2 - World Language (sequential, in same language)	3.00	2023-24 Graduates: 25/84/1210 2024-25 Graduates: 25/84/1210	75 hours	100 hours

What

Every organization on the planet knows WHAT they do. These are products they sell or the services.

How

Some organizations know HOW they do it. These are the things that make them special or set them apart from their competition.

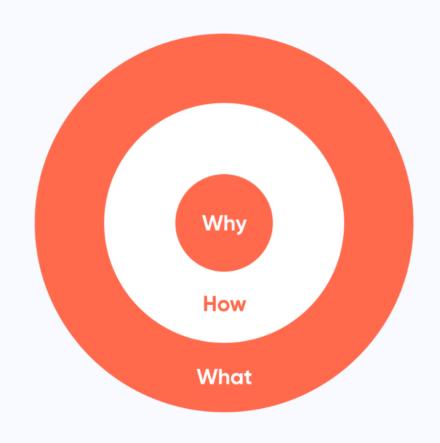
Why

Very few organizations know WHY they do what they do. WHY is not about making money.

That's a result. WHY is a purpose, cause or belief.

It's the very reason your organization exists.

The Golden Circle



WHAT DO WE DO? TEACH





Entrepreneurs Innovating through STEAM!



Science



Technology



Engineering



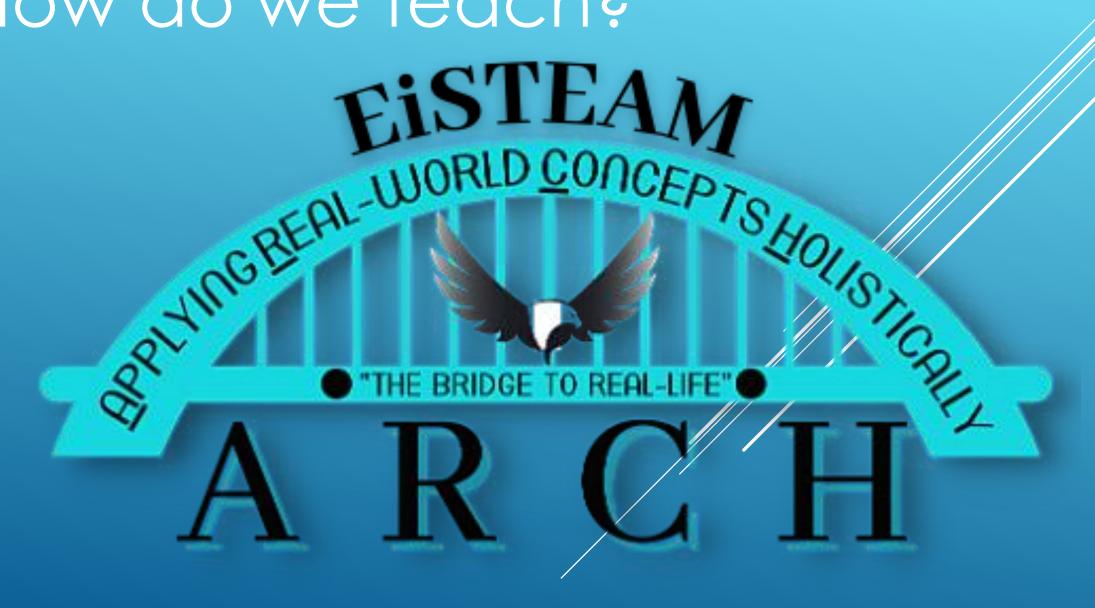
Art



Mathematics



How do we teach?



Why do we teach?

To cultivate learners and leaders who are inspired, able, and prepared to make a positive difference in the world.



Entrepreneurship

Business Skills: Students simulate being an employee, manager and/or company owner to solve real world problems and understand business principles.

Financial Literacy Skills: Students earn a fictitious salary obtained from their business choice. The salary is then used to buy discretionary items, pay their bills and taxes, and capitalize on investment opportunities.

Entrepreneurship







Science ARCHways



Exercise Science- Find solutions to improve the health and wellness of people. This program leads to personal training certification & how to design workout programs.



Educational Science- Learn how to become a teacher by working effectively with students, educational technology, classroom management, communication skills, and skills needed to support students' learning.



Agriscience and Animal Science -FFA Students use scientific principles and emerging technologies to solve complex problems related to agriculture, animals, and natural resources.

Science ARCHway





Technology ARCHways



Technology Services- Provide specialized technology-oriented solutions by combining software, hardware, networks, telecommunications, and electronics processes & functions.



Game & Sim Design- Video Game Creation, with an introduction to coding, programming, and 3D character modeling. Esports team development is also a part of this program.

Technology ARCHway



Engineering ARCHways



Engineering - Using scientific principles to design and build machines, structures, and other items. This course will lead to Aerospace Engineering.



Transportation Technology- Learn about designing and building rockets, airplanes, cars, motorcycles, and boats. Innovations in transportation technology are essential.

Engineering ARCHway



Artistic ARCHway



Art Portfolio Development- A RIGOROUS self-directed environment to develop an online portfolio showing a collection of your work and artist statements. Learn about careers in art.



Musical Theatre- Students learn to use acting and singing tools to create, articulate, and execute public performances.

Artistic ARCHway







Master Academic ARCHways

AP Capstone is a higher academic program designed to develop the critical thinking, research, collaboration, time management, and presentation skills needed to gain entrance and have success at the university level.

This program will include advanced placement and dual enrollment courses.

Application required for entry

Master Academic ARCHway

BURNS SCI-TECH ELECTIVES

Electives

- Spanish
- Multimedia Journalism –Yearbook
- Pilot Program
- * Forensic Science
- Culinary
- Psychology

- ❖ PE
- Weightlifting
- Music
- Intro & Aexial Yoga
- * 2D & 3/2/Axt
- * Engineering App Lab
- · OM

HIGH SCHOOL SCHEDULE

2 Choices

- ► Regular High School Schedule
- ► Flex Schedule

HIGH SCHOOL SCHEDULE

Periods	Time
Homeroom	8:10 – 8:27
1 st Period	8:30 – 9:20
2 nd Period	9:22 – 10:12
Snack Time	10:12 – 10:20
3 rd Period	10:20 – 11:10
4 th Period	11:12 – 12:02
Lunch	12:05 – 12:35
5 th Period	12:37 – 1:27
6 th Period	1:30 – 2:20
7 th Period	2:22 – 3:12
Homeroom	3:15 – 3:30

NEW FLEXIBLE HIGH SCHOOL SCHEDULE

3 Choices

- ► Regular Hour High School Schedule
- ▶6 period with optional Fridays
- ▶7 Periods with optional Fridays

NEW FLEXIBLE HIGH SCHOOL SCHEDULE

Period	Monday - Thursday	Friday
Homeroom	8:10 – 8:27	8:10 – 8:27
1 st Period	8:30 – 9:33	1 st Period – Organization/Study Skills
2 nd Period	9:35 – 10:38	8:30 – 10:30
Snack Break	10:38 – 10:43	Snack Break 10:30 – 10:40
3 rd Period	10:45 – 11:48	2 nd Period – Meet with Subject Area Teacher
4 th Period	11:50 – 12:53	10:40 – 12:40
Lunch	12:55 – 1:25	Lunch 12:45 – 1:15
5 th Period	1:27 – 2:30	3 rd Period – Meet with Subject Area Teacher
6 th Period	2:32 – 3:35	1:20 – 3:20
Break/Early Dismissal	3:35 – 3:40	Homeroom 3:22 – 3:35
7 th Period	3:40 – 4:43	
Dismissal	4:45	

NEW FLEXIBLE HIGH SCHOOL SCHEDULE

- ▶ Class Periods will go from 50 min to 63 minutes.
- ► Fridays will be individualized learning, organizational, and study skills.
- Students not required to attend on Fridays can complete
 - **►Volunteers Hours**
 - ▶Work a Job
 - **▶** Complete School Work
 - **▶** Online Course
 - * If a student gets behind in schoolwork or has a behavior issue, they must attend school on Friday

AP Capstone Program

What it is, how to get in, and what it means

"Capstone"

"The high point: crowning achievement"

- Merriam-Webster

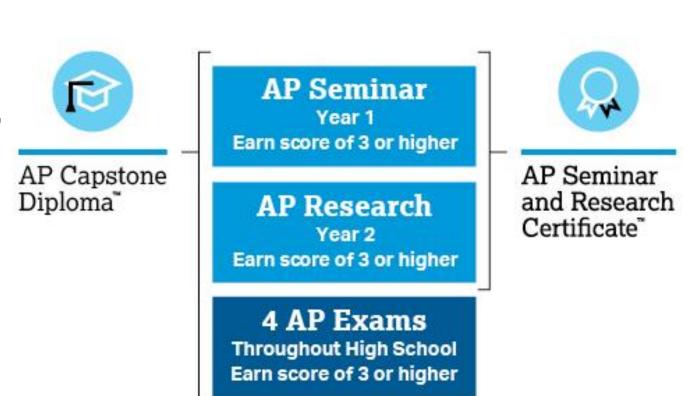
What it is

- An elevated diploma centered around the capstone classes AP Seminar and AP Research
- "Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world." - College Board

Awards

Upon Completion

- Receive the AP Capstone Diploma if you take AP Seminar, AP Research, 4 other AP's and pass all 6 exams
- Receive the AP Seminar and Research Certificate if you pass Seminar and Research, but do not pass 4 other AP classes.
- Both are reported to colleges as "Scholar Awards"



AP Seminar

10th or 11th Grade

"AP Seminar is a foundational course that engages students in <u>cross-curricular conversations</u> that explore the <u>complexities of academic and real-world topics</u> and issues by analyzing <u>divergent perspectives</u>. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, <u>synthesize information</u> from multiple sources, and <u>work alone</u> and in a group to communicate their ideas." - College Board

AP Research

11th or 12th Grade

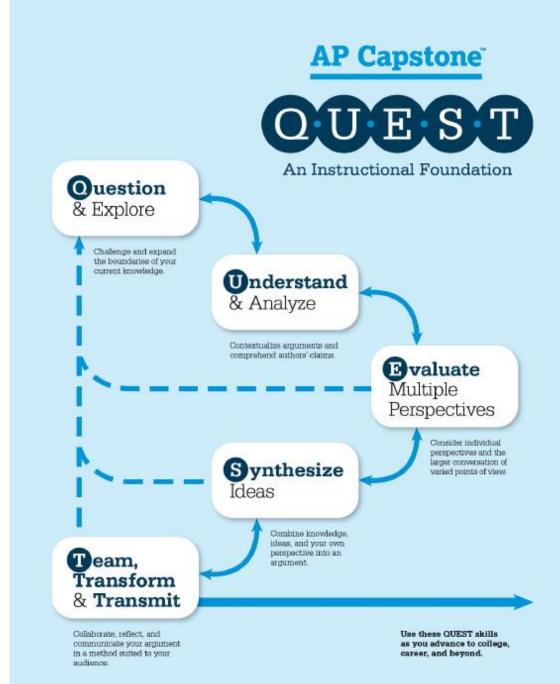
".... Allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense." - College **Board**

Grading of AP Seminar and Research

- AP Seminar has an exam, AP Research does not.
- Throughout the year, for both courses, you are to upload your work (group and individual) to the AP Digital Portfolio for grading.
- Presentations and other work would be graded by the instructor. Your AP score is generated by a combination of your presentations, papers, and exam (for Seminar).

Instructional Foundation

- The courses are designed to create independent, creative, thinkers.
- Seminar is a year long course that can focus on the teacher's specialty or what the students are most interested in, or both. But there should be a common theme.
- Research is completely independent, like a thesis class. Encouraged to use other faculty/staff as resources.



Why Advanced Placement?

AP Capstone Program	International Baccalaureate (IB)	Dual Enrollment	
6 classes (2 required)	6 classes (3 high level, 3 standard)	Any amount of classes	
4 remaining classes are up to student to decide	Classes must cover all subjects	Any subject matter	
Must score 3 or higher on all 6 exams	Must score 24 or higher on all exams combined	No end of course exam, must pass course	
\$90 per exam	\$130 per exam	Cost depends on course	
AP Seminar and AP Research classes with 4,000-5,000 word academic paper	Theory and Knowledge two year course and 4,000 word essay	No common theme	
Applies internationally College credit is usually given with a score of 3 or higher	Applies internationally College credit varies, sometimes only awarded with full diploma	College credit is only guaranteed at Florida public universities	

Why AP matters

- The AP classes are designed by a combination of current high school teachers and college professors designed to teach to the college standard.
- AP Capstone was introduced in 2014 after college faculty wanted a program to introduce students to the idea of interdisciplinary study.
- College Board communicates with high school teachers in the classroom and curriculum developers to design an effective course that completes the standards for high school education as well as college.

College Admissions

- When reviewing your application to colleges, admission staff will look at your transcripts and see how much you challenged yourself.
- Taking AP classes, and especially enrolling in the AP Capstone Program, will tell colleges you are willing to challenge yourself.
- The rest of the application notwithstanding, colleges prefer a student with 5 AP classes and a 3.6 unweighted GPA rather than a student with standard classes and a 4.0 unweighted GPA.

College Admissions

- Because the AP Capstone has stricter requirements and is more challenging than AICE, colleges value the AP Capstone Diploma.
- The AP Capstone Diploma is rare, so it will help you stand out. Colleges trust College Board's curriculum as university professors built it.
- "Students frequently report that AICE classes are easier than IB or AP classes, and many complete their AICE diploma by the end of 10th grade. Schools in the US are more likely to recognize AP or IB as more rigorous than AICE, but the AICE curriculum is still typically considered more rigorous than Honors or Dual Enrollment courses." International College Counselors

Members of the AP Capstone Advisory Committee

Rakesh Bhandari, University of California, Berkeley, CA

Stephanie Carter, McCracken County High School, Paducah, KY

Hui-Ching Chang, University of Illinois at Chicago, Chicago, IL

Janet Eldred, University of Kentucky, Lexington, KY

Alice Hearst, Smith College, Northampton, MA

Luis Martínez-Fernández, University of Central Florida, Orlando, FL

Teresa Reed, University of Tulsa, Tulsa, OK

Susan Roth, Duke University, Durham, NC

Nicole Wallack, Columbia University, New York, NY

Ellen Woods, Stanford University, Stanford, CA

Who makes the curriculum?

All college/high school teachers

Members of the AP Seminar Curriculum and Assessment Development Committee

Teresa Reed, University of Tulsa, Tulsa, OK

David Miller, Deerfield Academy, Deerfield, MA

Maria Albano, Barbara Goleman Senior High School, Miami Lakes, FL

Melvin Butler, University of Chicago, Chicago, IL

Stephanie Carter, McCracken County High School, Paducah, KY

Rita C. F. Davis, Hume-Fogg Academic Magnet High School, Nashville, TN

Janet Eldred, University of Kentucky, Lexington, KY

Ellen Woods, Stanford University, Stanford, CA

How to enter the AP Capstone Program

Requirements

Similar to a job or college application

- Unweighted GPA of 3.5 or higher (slightly lower would be admitted on a case by case basis, may require extra interview questions). Must be in high school or entering high school.
- Completion of application packet that includes:
 - Survey questions, short answer questions, and an essay question
 - Signature of two teachers that approve of your admission. The teachers are vouching that they believe you can complete and pass 6 AP exams.
- Interview (15-20 minutes) after school to review application packet and other questions. Faculty panel attends and can ask questions.

When to enroll

- Applications will open January of every year. The interview process the next month, and selections before Spring Break. 2024-2025 Applications are due to Mr. McDonald by <u>February 16th</u>
- Applications will open again at the beginning of the year for new students to the school.
- You can apply at the end of your 8th grade year, 9th-10th grade year, or beginning of 11th grade year at the latest.
 - You can take AP classes before and after the admission process, even if you were denied entry. AP Seminar and AP Research would only be available to AP Capstone students

Staying in the program

Plus some perks

- Continue to hold a 3.5 unweighted GPA.
- Be a leader at Burns. If the student earns a few points on the discipline matrix, student may be put on probation from the program and eventually dismissed.
- If you fail to score a 3 or higher on the AP Seminar exam, you would be ineligible from either award (Diploma or Certificate). This would dismiss you from the program.
- By being in the program, you get to have a say in which AP classes run which year (not who teaches them). You also get to have input in the AP Seminar theme.
- Students in the program will also get other perks and privileges to be announced.

AP Classes offered at Burns

These offerings are subject to change based on teacher availability.

AP Capstone students get priority when choosing which AP classes run.

English	Social Studies	Science	Math	Other
Dewere	Thompson:	Jarrett:		
Powers: Pre-AP English I	United States History World History	Biology	<u>Dugan:</u> Pre-Calculus	Zahn: 2D Art
<u>Lee:</u> Language and	European History	Environmental Science	Statistics	McDonald:
Composition Literature and	<u>Grove</u> : Psychology	McDonald: Chemistry	McDonald: Calculus AB/BC	Seminar* Research*
Composition	Government and Politics	Physics 1 and 2		

AP Classes and 4-Day Week

Conditional on adoption of 4-day school week

- If Burns High School adopts the 4-day school week for 2024-2025, AP classes will still be 5 days.
- For the sciences, Friday will be used as lab days (2 hour block to complete labs)
- Other classes would use it depending on teacher's direction. Could be a study make up day, an AP Progress Check day, or test/quiz day.
- Would have scheduled classes for AP's on Friday, only have to show up for those classes.
 - Example: if your AP Chem lab block is scheduled from 12:30-2:30pm, show up around 12:15 and at completion of the lab you may leave. No need to attend rest of the school day unless you want to see other teachers for "office hours"

AP Capstone Resources at Burns

- AP Capstone Coordinator: Mr. McDonald
- AP Capstone Committee: Mrs. Lee, Mr. Thompson, Mr. Dugan, Mrs. Grove, Ms. Jarrett, Mrs. Aldridge
 - Decision makers on admission to program. Even if not teaching an AP that year, they are still on the committee.
- Mr. Hargrave and Mrs. B. will be involved in the admission process and have a say in acceptance or denial from program.

Questions?