



# Sarasota High School



# WELCOME PARENTS & STUDENTS CLASS OF 2029!



SHS AICE Website



[www.shsaice.com](http://www.shsaice.com)

Get notified when  
the AICE application  
is available





# Agenda

**Mr. Ryan Chase**  
Principal – SHS

**Mrs. Gallof**  
Assistant Principal – AICE

**Mrs. Corban**  
9<sup>th</sup> and 10<sup>th</sup> grade AICE student  
counselor

**Ms. Taylor**  
11<sup>th</sup> and 12<sup>th</sup> grade AICE  
student counselor

**Mrs. Renner**  
AICE Administrative Assistant

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**Welcome and Introduction**

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**AICE Program Overview**

**Mrs. Harshman, AICE Coordinator**

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**AICE Application Process**

**Mrs. Harshman, AICE Coordinator**

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**MaST at SHS**

**Mr. Harshman**

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**Parent Perspective**

**Saralynn Dorrill**

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**AICE and Mast Students**



# Sarasota High School

First High School in Sarasota County:  
Opened in 1913

Current Enrollment:  
Approx. 2363 students

Current AICE Enrollment:  
865 students

School Hours:  
7:30 am – 2:15 pm

Class Periods:  
8 Periods – 47 min  
3 lunches  
6 minutes passing

AICE Population:  
58% Female  
42% Male

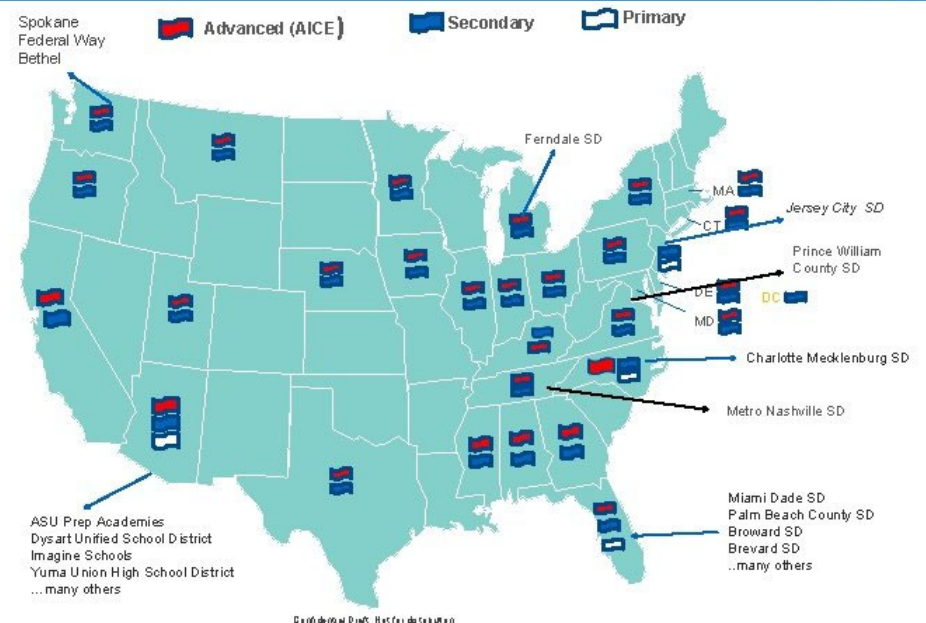
# WHAT IS AICE?

- The University of Cambridge International Examinations is the world's largest provider of international education programs. It was founded in 1858.
- There are now 10,000 Cambridge schools around the world in over 160 countries.
- The University of Cambridge writes the course curriculum, trains our teachers, and grades the student exams.
- The textbooks come from Cambridge and are aligned with the exam expectations.

## Cambridge worldwide



## Cambridge Across in the USA



Why Should I Choose the Cambridge AICE Program?

It's Flexible, Individualized  
and Offers a Route to  
Bright Futures



UNIVERSITY *of* CAMBRIDGE  
International Examinations

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CAMBRIDGE INTERNATIONAL CENTRE

# There are many avenues for acceleration within the Cambridge Program

- Start with Pre-AICE classes in 9<sup>th</sup> grade
- Work your way to earning your AICE Diploma
- Only take the Cambridge courses you are interested in or have a curiosity for
- Earn an AICE Diploma and work towards earning an AA degree



## Your Path is Your Own and You Have a Lot of Support to Get There

- You will have a counselor that will stay with you all four years
- You will have 3 college and career counselors on campus
- You will have 1 coordinator on campus tracking your progress
- You will have individual counseling to plan out your courses for your academic career
- You will have teachers that take a vested interest in your success



# What is Bright Futures and How Does it Work?

## What is the Florida Bright Futures Scholarship?

The Florida Bright Futures Scholarship is a scholarship for Florida students who plan to attend in-state colleges and universities. The highest level of the scholarship, the Florida Academic Scholars Award, covers 100% of tuition costs and applicable fees for public institutions and receives an additional \$300 in the fall and spring semesters for additional educational expenses.

**To be eligible for the highest level of scholarship, students must qualify through one of two ways:**

### Standard Route:

|  |                            |  |   |
|--|----------------------------|--|---|
| Complete Required High School Coursework | Have a Weighted GPA of 3.5 | Earn a score of 29 on the ACT or 1340 on the SAT | Complete 100 hours of Community Service |
|--|----------------------------|--|---|

### Cambridge AICE Diploma and International Baccalaureate Diploma Route:

|                                 |   |
|---------------------------------|---|
| Earn the Cambridge AICE Diploma | Complete 100 Hours of Community Service |
|---------------------------------|---|

In 2024, the average SAT score for high school graduates in Florida was 983 and Nationally it was 1024. In 2024, the average composite ACT score for high school graduates in Florida was 19 and Nationally was 19.4

The SHS Class of 2024 Cambridge Seniors had an average SAT score of 1110.

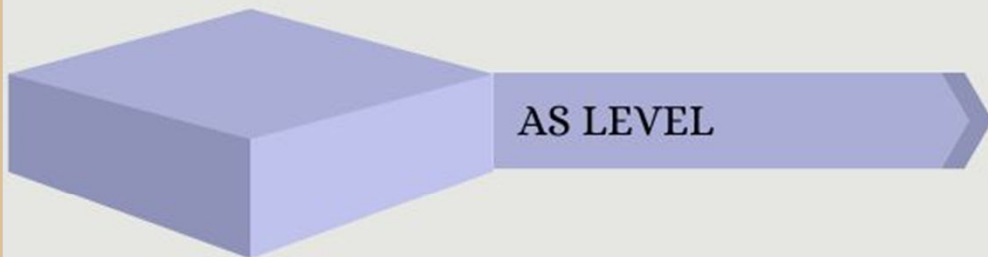




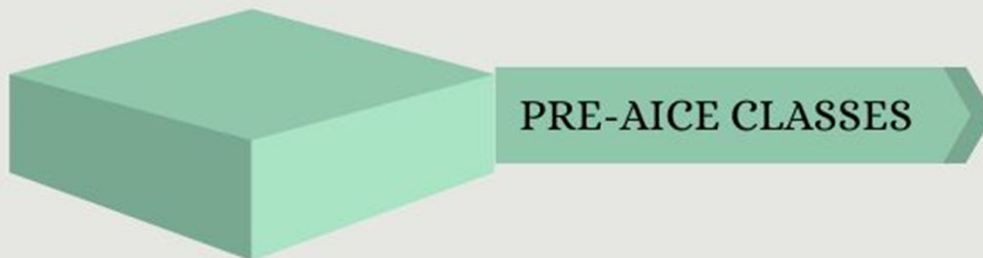
# Cambridge Course Levels Explained



Offer 14 A-level classes  
College level class - second year  
3 college credits  
1 points towards AICE diploma  
11th - 12th grade  
AS Level is pre-requisite



Offer 20 AS level classes  
College level class - first year  
3 college credits  
1 point towards AICE diploma  
10th - 12th grade  
May move on to A-level but do not have to



Offer 13 Pre-AICE classes  
Honors classes (weighted)  
No college credits  
No Cambridge exams  
9th grade - 12th grade

**Total of 7 credits  
required for AICE  
Diploma.**



**1**

**GROUP 1: MATHEMATICS  
AND SCIENCE**

1 point required

- 1. Biology
- 2. Chemistry
- 3. Enviro Mngmt\*
- 4. Marine Science
- 5. Mathematics
- 6. Physics
- 7. Psychology\*

**2**

**GROUP 2: LANGUAGES**

1 point required

- 1. English Language
- 2. Spanish Language

**3**

**GROUP 3: ARTS AND  
HUMANITIES**

1 point required

- 1. Art and Design
- 2. Digital Media and Design
- 3. History
- 4. Literature in English
- 5. Media Studies
- 6. Sociology
- Travel and Tourism

**4**

**GROUP 4: INTERDISCIPLINARY  
SKILLS BASED COURSES**

1 point required



**5**

**REQUIRED FOR ALL: GLOBAL  
PERSPECTIVES**


1 point required

Students must take  
Global Perspectives  
and pass the exam.

Students must also take  
at least six other AICE  
classes and pass each  
corresponding AICE  
exam

**Cambridge International – Florida AICE Diploma Requirements:  
Achieve a minimum of seven (7) credits (including Global Perspectives and Research AS)\***

**Earn at least one credit from each group**

| Mathematics & Science<br>Group 1 |            |   | Languages<br>Group 2      |            |                     | Arts and Humanities<br>Group 3 |            |                             | Core Requirement<br>Group CORE   |            |                                     |
|----------------------------------|------------|---|---------------------------|------------|---------------------|--------------------------------|------------|-----------------------------|--|------------|-------------------------------------|
| Year                             | Exam Grade | Course  | Year                      | Exam Grade | Course              | Year                           | Exam Grade | Course                      | Year   | Exam Grade | Course                              |
|                                  |            | Biology AS  | 11 <sup>th</sup><br>grade |            | English Language AS |                                |            | U.S. History AS             | 11 <sup>th</sup><br>grade  |            | Global Perspectives and Research AS |
|                                  |            | Biology A   |                           |            | English Language A  |                                |            | U.S. History A              |  |            |                                     |
|                                  |            | Marine Science AS/A   |                           |            | Spanish Language AS |                                |            | Psychology AS*              |  |            |                                     |
|                                  |            | Chemistry AS/A  |                           |            | Spanish Language A  |                                |            | Psychology A*               |  |            |                                     |
|                                  |            | Environmental Management AS*  |                           |            |                     |                                |            | Sociology AS                |  |            |                                     |
|                                  |            | Physics AS  |                           |            |                     |                                |            | Sociology A                 |  |            |                                     |
|                                  |            | Physics A   |                           |            |                     |                                |            | Literature in English AS    | <b>Optional<br/>(maximum two credits)</b><br><b>Interdisciplinary &amp; Skill-<br/>Based Courses<br/>Group 4</b>   |            |                                     |
|                                  |            | Mathematics AS**  |                           |            |                     |                                |            | Media Studies AS            |  |            |                                     |
|                                  |            | Statistics/Probability AS**   |                           |            |                     |                                |            | Travel and Tourism AS       | 10 <sup>th</sup><br>grade  |            | English General Paper AS            |
|                                  |            | Statistics/Probability A  |                           |            |                     |                                |            | Art and Design AS           |  |            | Thinking Skills AS/A                |
|                                  |            |   |                           |            |                     |                                |            | Art and Design A            |  |            | Global Perspectives and Research A  |
|                                  |            | * Indicates a course that can count for either Mathematics & Science or Arts & Humanities. Cannot be used for more than one category. |                           |            |                     |                                |            | Digital Media and Design AS | *Indicates a course that can count for either Mathematics & Science or Arts & Humanities. Cannot be used for more than one category.  |            |                                     |
|                                  |            | ** Student can only use Math AS point OR Stats AS point for AICE Diploma.   |                           |            |                     |                                |            | Digital Media and Design A  |  |            |                                     |



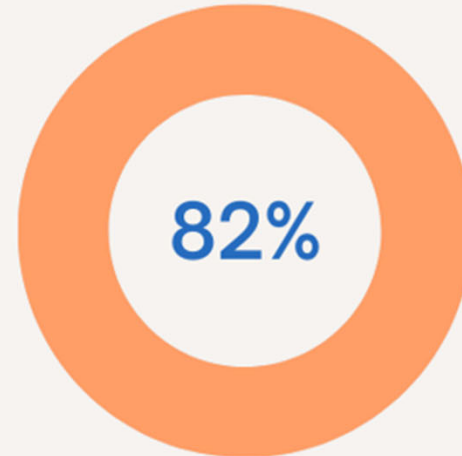
# Classes – Freshman Year

| ELA                       | Math                                | Science          | Social Studies         | Foreign Language Option | AICE Electives  |
|---------------------------|-------------------------------------|------------------|------------------------|-------------------------|---|
| Pre-AICE English Language | Geometry Honors<br>Algebra 2 Honors | Pre-AICE Biology | Pre-AICE World History | Pre-AICE Spanish 1-3    | Students in 9 <sup>th</sup> grade DO NOT take AICE Exam Level Courses |

Freshman do not take AICE Exams at the end of this year.

# Pass Rates

SHS AS Pass Rate

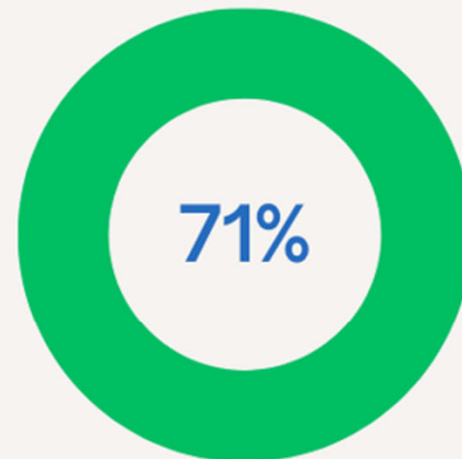


National AS Pass Rate = 65%

AICE Diplomas- Class of 2024



SHS AL Pass Rate



National AL Pass Rate = 57%

AICE Diplomas - Class of 2025  
(earned by end of junior year)



We are proud  
to be a  
Showcase  
School  
2024 to 2027

We administered over 2600 AICE exams last year for over 1000 students.

# What are the benefits of being in AICE?



Accelerated Coursework



Breadth and Depth of Learning



College Readiness



Scholarship Opportunities



Flexibility



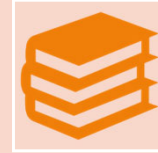
AICE Faculty



# Accelerated Coursework



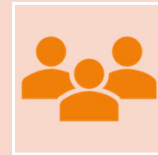
Challenge yourself



Opportunity to  
get college credit



Sets you apart  
from your general  
education peers  
when applying to  
colleges

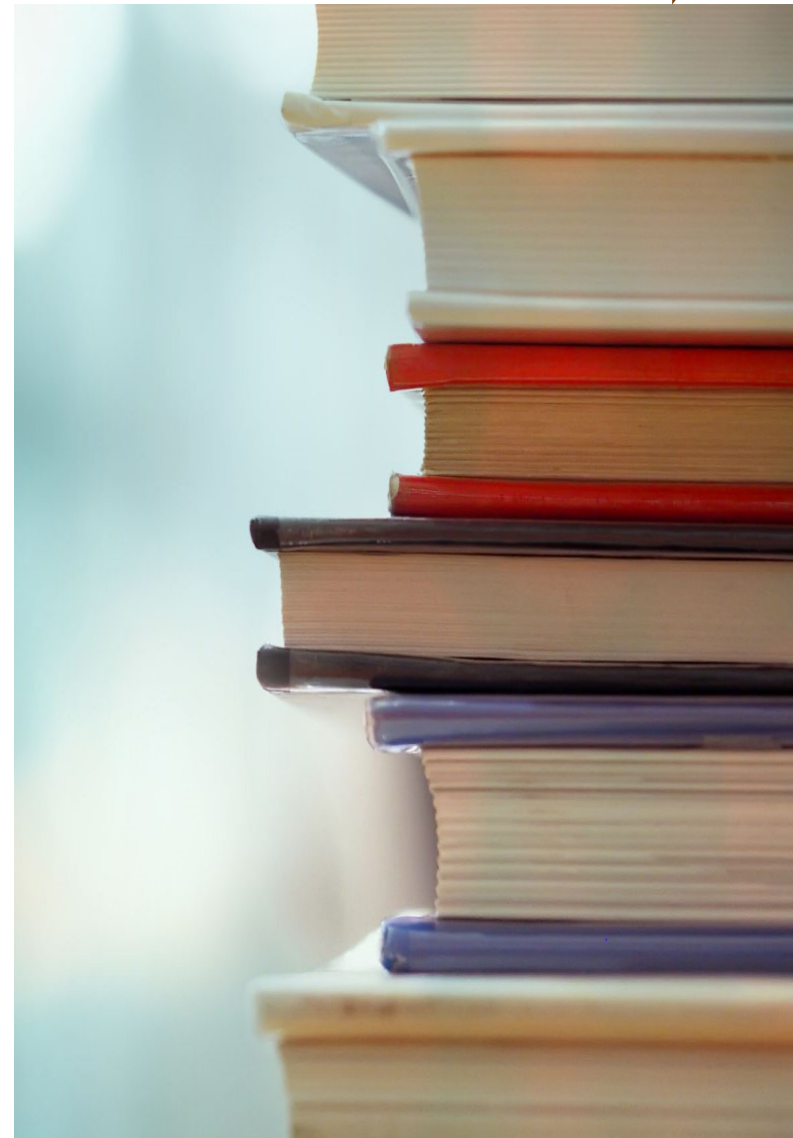


College admission  
snapshot



# Breadth and Depth of Knowledge

- AICE Courses promote critical thinking skills and higher order thinking skills needed and desired in the 21<sup>st</sup> century workforce.
- No longer the old style of read and regurgitate, memorization only
- Teachers show the students **how** to think, not what to think
- AICE exams are designed for students to apply, analyze, synthesize, and evaluate information





# Exam Component Variations

## CHEMISTRY PHYSICS BIOLOGY

- ✓ Multiple Choice
- ✓ Short Answer
- ✓ Individual Lab

## GLOBAL PERSPECTIVE

- ✓ Individual Paper
- ✓ Group Project
- ✓ Individual Timed Essay

## ART AND DESIGN

- ✓ Coursework
- ✓ Externally Set Assignment

## TRAVEL & TOURISM

- ✓ Timed Exam
- ✓ Plan/Manage Event

## MEDIA STUDIES

- ✓ Individual or Group Portfolio
- ✓ Timed Questions



# College Readiness

- Students can earn up to 45 hours of college credit
- All public schools in Florida recognize AICE classes for credit.
- Over 600 universities in the U.S. accept AICE classes, including Harvard, MIT, Stanford and Yale.





**Jayme Rudd**

Class of 2022

**SARASOTA HIGH SCHOOL**

Unweighted GPA: 4.0

Weighted GPA: 4.92

SAT: 1490

**POST-SECONDARY EDUCATION**

University of Florida

**COLLEGE COURSES**

Semester One:

Astronomy

Microeconomics

Myths of Greeks and Romans

Experiencing Music

Intro to Business

Semester Two:

Macroeconomics

Financial Accounting

Business Analytics

Artificial Intelligence

"Because AICE classes are high school courses structured like a college class, I was able to train myself how to study and learn in a structure and environment that I was not used to. While other college prep programs are riddled with multiple choice and google answers, AICE classes really teach you how to think in a more advanced way than we are trained through school."



# Scholarship Opportunity

- Students who earn the AICE Diploma (+ 100 volunteer hours) qualify for Bright Futures, regardless of GPA or SAT/ACT scores
- Bright Futures will pay 100% of a student's tuition if they attend a pu University in the state of Florida!
- 141 seniors earned AICE Diploma = Bright Futures





# AICE Faculty

- #1 feedback from students, when asked about what they love about the AICE program, are the teachers they had.



# AP, IB, and AICE

|   | AP  | IB   | CAMBRIDGE AICE                        |
|---|---|--|---------------------------------------|
| Rigorous Curriculum                                     | ✓   | ✓  | ✓                                     |
| College Preparation                                     | ✓   | ✓  | ✓                                     |
| International Diploma                                   |   | ✓  | ✓                                     |
| Flexibility in Course Selection                         | ✓   |  | ✓                                     |
| Hands-on Experimental Approach                          |   | ✓  | ✓                                     |
| Scores that earn college credit at Florida Universities | Scores of 3, 4, or 5 (depending on school, sometimes only 4 or 5) | Scores of 6, 7, or 8 (depending on school, sometimes only 7 and 8) | All passing scores (a, b, c, d, or e) |



# Frequently Asked Questions

Can I do both AICE and MaST at the same time?

Can I do sports while taking AICE classes?

What if I don't pass the AICE exam at the end of the year?

Will I have classes with only other AICE students?

What is the difference between magnet and school choice?

When can I start working on my BF service hours?

Will my AICE college credits transfer to out-of-state colleges?

I live in Manatee county. Can I still apply?

If I am out of SHS zone, does the school provide transportation?



Sarasota High School



# AICE APPLICATION

01

## Deadline

March 1st, 2025

## Criteria

7th and 8th grade academic and behavioral performance (A's and B's)  
Previous FAST/Standardized Test Performance (3's, 4's, 5's)  
Student Response to writing prompt(s)

## Application Process

Applications will be available online in early January. SHS AICE will reach out to your middle school teachers if recommendations are needed. Rolling admission acceptance until March 1, 2025. Applications will be processed within 30 days of submission.

02

## Form

[www.shsaice.com](http://www.shsaice.com)

## Out-of-District

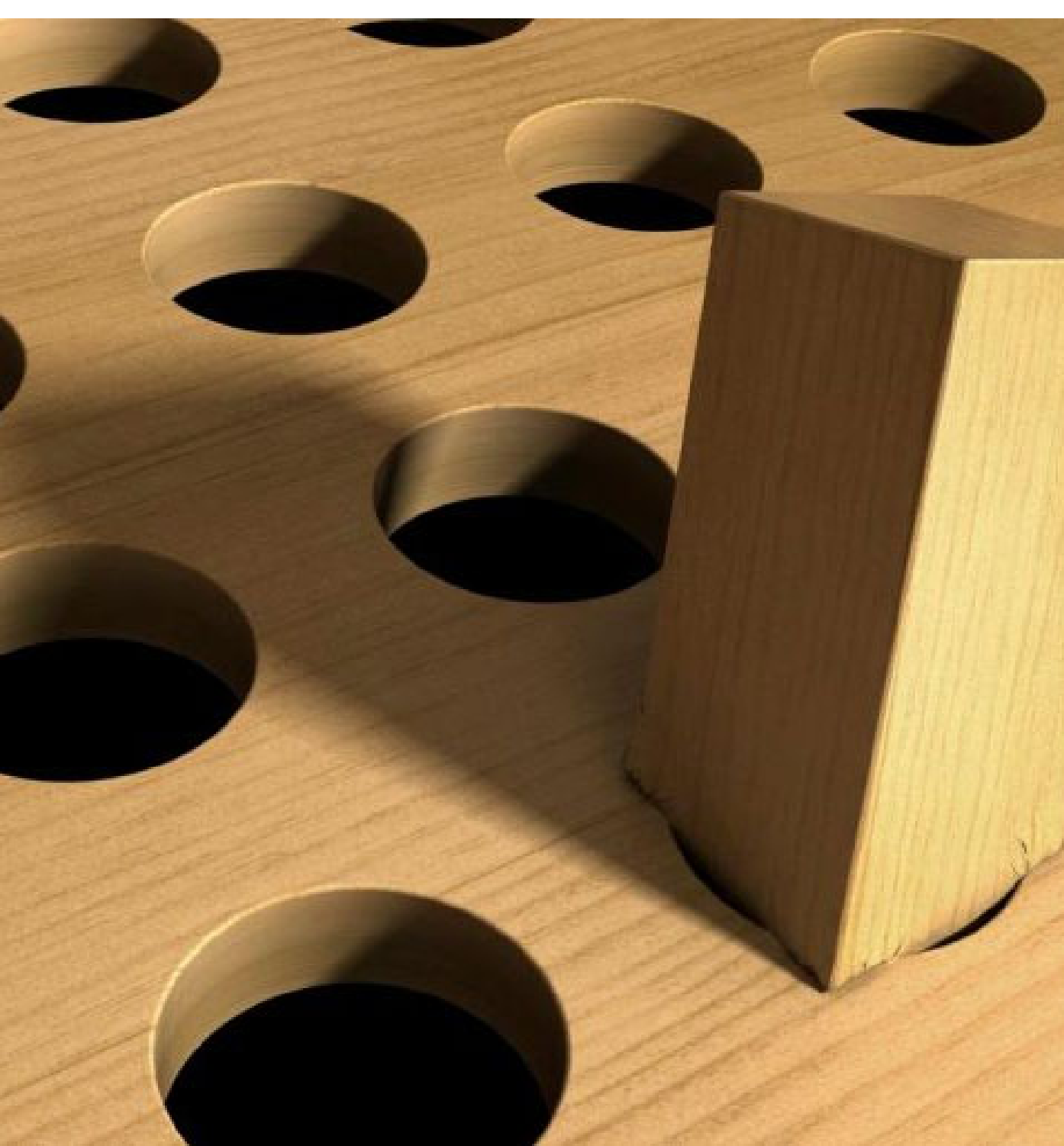
Reassignment Form must be completed in Focus portal

03

## Contact

[Kristina.Harshman@sarasotacounty.schoools.net](mailto:Kristina.Harshman@sarasotacounty.schoools.net)





It's ok if your child doesn't get into AICE this year.

It's ok if your child gets in and it's HARD.

# NEW STUDENT CHECKLIST

| <b>ITEMS TO COMPLETE</b>                         | <b>DUE DATE</b>  | <b>STUDENTS</b><br>Districted for<br>Sarasota High School | <b>STUDENTS</b><br><i>Not</i> districted for<br>Sarasota High School | <b>STUDENTS</b><br>New to Sarasota County Schools<br>(moved from out of state or a<br>different county, private school,<br>charter school) |
|--|------------------|---|--|--|
| 1. Submit AICE application                       | March 1, 2025    | ✓   | ✓  | ✓  |
| 2. Accept spot in AICE program                   | March 31, 2025   | ✓   | ✓  | ✓  |
| 3. Student Reassignment Form in FOCUS Portal     | May 29, 2025     |   | ✓  |  |
| 4. Student Re-Registration Form in FOCUS Portal  | April - May 2025 | ✓   | ✓  |  |
| 5. New Student Registration Form in FOCUS Portal | April - May 2025 |   |  | ✓  |
| 6. Course Elective Request - during MS visits    | April - May 2025 | ✓   | ✓  | ✓  |

# Important Dates

- February
  - *Around* Feb. 1 – School Choice applications open in FOCUS
  - *Around* Feb 28 – School Choice applications close in FOCUS
- March
  - *Around* March 1 – Reassignment Forms available in FOCUS
  - **March 1** – AICE Applications due
- April
  - *Around* April 11<sup>th</sup> – School Choice notifications go out in FOCUS
  - *Around* April 18<sup>th</sup> – Deadline to accept school choice in FOCUS
- May
  - *Around* May 29<sup>th</sup> – Reassignment Forms **MUST** be submitted in FOCUS



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## Cambridge University

Thank you for your interest in the Cambridge University AICE program at Sarasota High School. We are honored to be able to offer an advanced, competitive, and unique opportunity for students to earn college credits, and scholarship opportunities.



[www.shsmri.com](http://www.shsmri.com)



Application Link

**AP** Capstone™

Research, Academic Rigor, Distinction

# Basic MaST Research Description

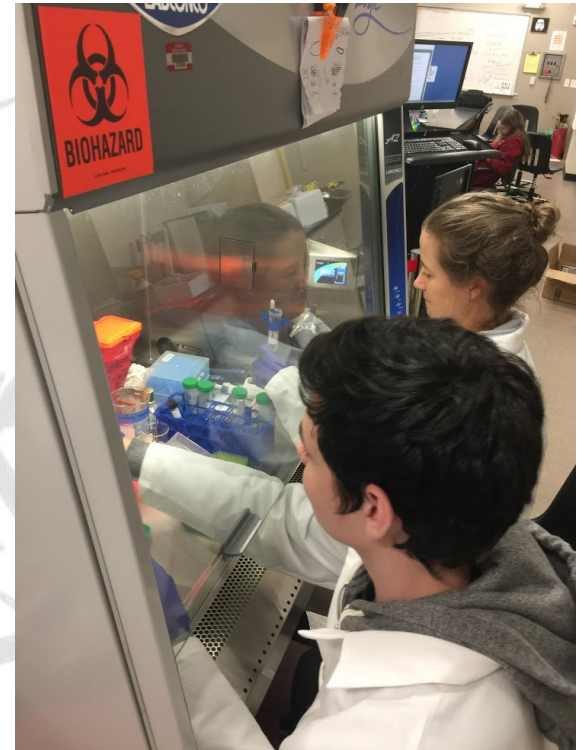
- MaST Research Institute – Founded in 1995
  - Research in Math, Sciences, and Engineering
  - Students will:
    - be taught the research process the 1<sup>st</sup> year by teachers with research experience – hands-on experiments galore!
    - 2<sup>nd</sup> Year – delve into scientific literature and gain writing/presentation skills in the AP Seminar course. Design your 3<sup>rd</sup> year project.
    - 3<sup>rd</sup>-4<sup>th</sup> year - conduct independent research projects guided by community and faculty mentors
    - Present research to community via science fair and other competitions.
    - Gain extra knowledge through real world research experience.

# Why Join MaST?

- YOU get to choose what you study!
  - Take something you like or are passionate about and do something about it!
- You will learn how to do research from people who have been there before
  - The teachers have college research experience...and one of us graduated from MaST!
- Provides a special edge when applying for college
- Potential of 6 hours of college credit & chance for Prestigious AP Capstone Certificate
- ...and YES, you CAN be in both MaST and AICE! In fact, almost all MaST students are also AICE students!

# What sets us apart?

- Variety of faculty specialties
  - Microbiology/Cells/Health
  - Engineering
  - Physical Sciences
  - Beyond!
- State-of-the-art Lab
  - Biosafety Level 2 Certified
    - Only high school in the area able to conduct advanced cell culture & microbio projects
  - Fundraising = equipment
    - Ex. Ultrasonicator, Cell culture incubator, and more!







# AP Capstone™

Research, Academic Rigor, Distinction

Equivalent of  
AP Scholar  
Status!



AP Capstone  
Diploma™

## AP SEMINAR (Year 1)

Team Project & Presentation

Individual Research-Based  
Essay & Presentation

End-of-Course Exam

## AP RESEARCH (Year 2)

Academic Paper

Presentation & Oral Defense

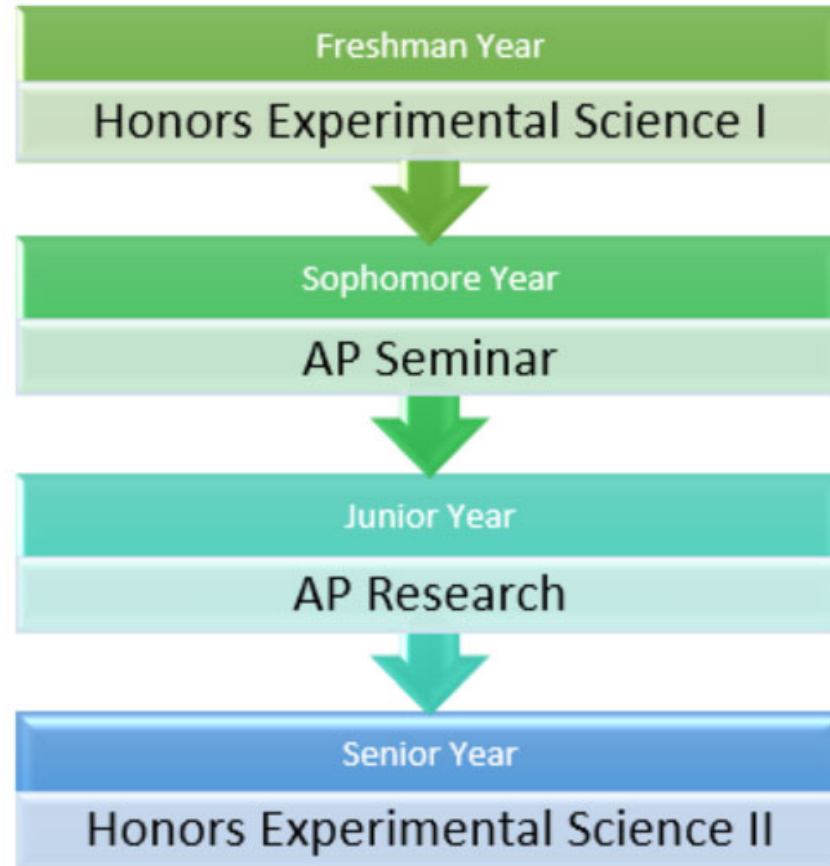


AP Seminar  
and Research  
Certificate™

## 4 AP COURSES & EXAMS

(Taken at any point throughout high school)

# MaST Course Progression



## Highlights:

- Introductory, hands-on STEM research course
- Up to 6 hours college credit\*
- AP Research/Seminar Certificate\*
- 2 research projects eligible for competition

# MaST Course Descriptions

|                          |   |
|--------------------------|---|
| <b>Hon. Exp. Sci. I</b>  | Teacher guided introduction to advanced research methods. Study will include scientific skills, all parts of a research project, hands-on experimentation across various STEM areas, and a short-term research project.                 |
| <b>AP Seminar</b>        | STEM focused class that engages students in conversations that explore the complexities of topics and issues. AP Exam consists of a team project/presentation, individual research-based essay/presentation, and written analysis test. |
| <b>AP Research</b>       | Independent STEM research experimental project with teacher meetings for guidance. Entrance to various paper, poster, and oral competitions. AP Exam consists of 4000-5000 word research paper and oral presentation research defense.  |
| <b>Hon. Exp. Sci. II</b> | Independent STEM research with teacher meetings for guidance. Entrance to various paper, poster, and oral competitions. Senior year culminates in public symposium research defense.  |



# College Acceptances and Awards!



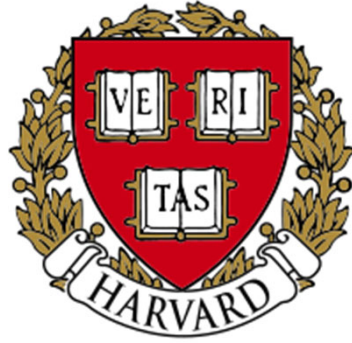
- Harvard
- Princeton
- Duke
- Dartmouth
- Columbia
- Barnard



- Georgia Tech
- Northwestern
- Boston University
- Stanford
- Brown
- Johns Hopkins

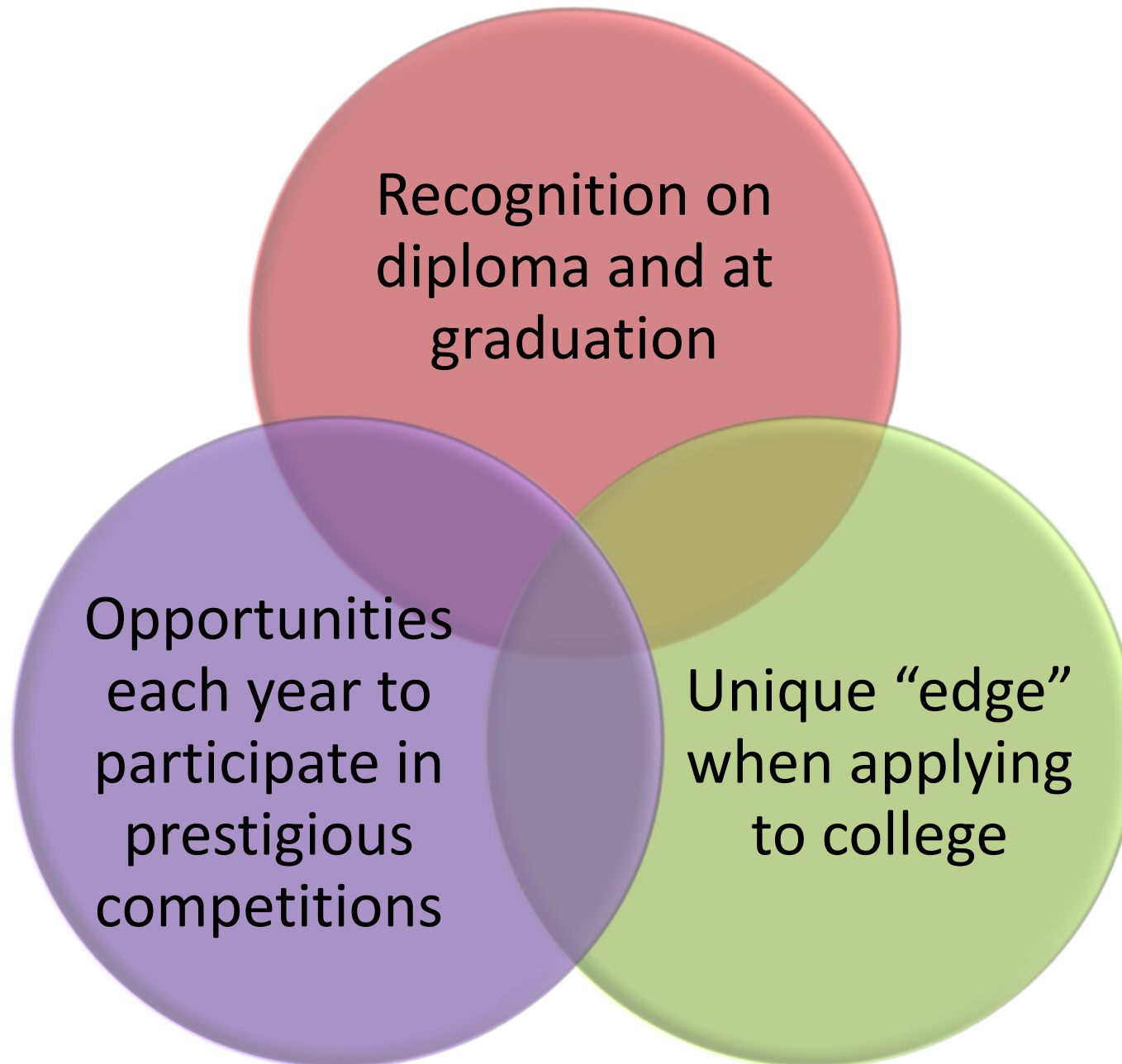


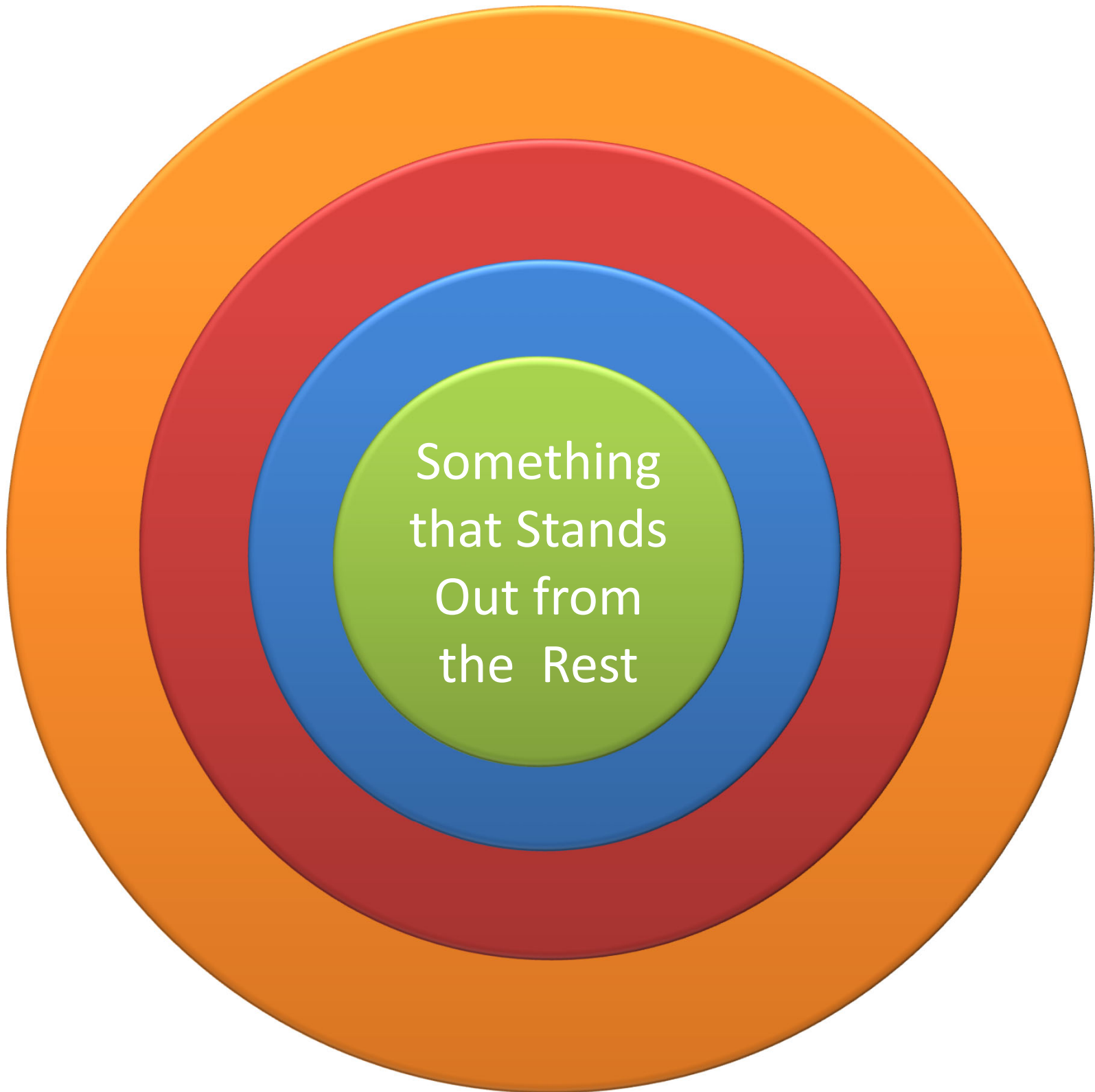
BROWN



- Since 1999:
  - Students have had most county representatives (by far) at INTEL International Science Fair
- Since 1995: Most first place prizes (by far) in Regional Science Fair
- Each Year: Place Awards at the State Science Fair
- Each Year: students selected to speak at JSEHS state conference
- Each Year: students selected to speak at FJAS state conference

# Being a MaST Research Scholar sets you apart...





Something  
that Stands  
Out from  
the Rest

# How to Apply to MaST

- **Application Criteria**
  - Passion for Science, Math, and/or Engineering to do college level research
- **Application (50 student max)**
  - Fill out application online at [www.shsmri.com](http://www.shsmri.com)
  - **Due dates**: Decisions made end of each month starting in January, May 15 for last chance for non-districted SHS students (if spots remain)
- **Student Evaluation**
  - Student test scores will be evaluated just as in AICE

# How to Apply to MaST

- Visit [www.shsmri.com](http://www.shsmri.com)
- Click on the “Apply” Button on top
- Fill out and submit application form online
- We will review records and get back to you within 2 weeks



Home

Prospective Students

Current Students

More

Apply

## MaST Research Institute




Sarasota High School  
STEM Research Magnet Program



SARASOTA  
HIGH SCHOOL

MaST  
Senior





Parent &  
Student  
Testimonials

**Thank you!**