**MaST Research Institute @ Sarasota High School**

**Research Course Progression**

 **Option 1 Option 2**

**Highlights:**

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

**Highlights:**

* Introductory, hands-on STEM research course
* Up to 6 hours college credit\*
* AP Research/Seminar Certificate\*
* 3 research projects eligible for competition
	+ Must take Ex. Sci II as elective soph. year

\*3 hours college credit for each AP course passed (3 or above on exam). Both must be passed for AP Certificate (Equivalent of AP Scholar).

|  |  |
| --- | --- |
| **Hon. Exp. Sci. I** | 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. |
| **AP Seminar** | 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. |
| **AP Research** | 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. |
| **Hon. Exp. Sci. II/III** | Independent STEM research with teacher meetings for guidance. Entrance to various paper, poster, and oral competitions. Senior year culminates in public symposium research defense. |

**Course Descriptions**

**Class of 2020 (Current Juniors)**

**Option 1 Option 2**

**Highlight:**

* Up to 3 hours college credit\*

 **Highlights:**

* Up to 6 hours college credit\*
* AP Research/Seminar Certificate\*
* Must fit both courses in schedule

**Class of 2021 (Current Sophomores)**

**Option 1 Option 2**

**Highlight:**

* Up to 3 hours college credit\*

 **Highlights:**

* Up to 6 hours college credit\*
* AP Research/Seminar Certificate\*
* Must fit both courses in schedule Junior year

**Class of 2022 (Current Freshmen)**

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