# CONNECTICUT STEM FOUNDATION, INC.

## CURRICULUM FOR A HIGH SCHOOL STEM RESEARCH PROGRAM

### YEAR 1 or ADVANCED

**DEADLINES FOR SCIENCE FAIR**

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| Article Summaries           | 1. Choose 6 STEM related articles that are *most* interesting to you. Find articles that go with 3 potential topics that you are interested in.  
2. Create a system for keeping track of the articles you read.  
3. Product: Summary of each article using CER article worksheet.                                                                                     | OCT 5    |
| Mentor Contact Sheet        | 1. Choose 4 possible mentor/scientists to contact.  
2. Contact them via e-mail.  
3. Product: Mentor Contact Sheet that includes: Mentor name, Research location/affiliation (where they work), Email address, What they research, Your questions, Their feedback/advice if applicable | OCT 10   |
| Research Question and Literature Review Presentation | 1. Formulate your research and review the relevant research that has already been conducted on your topic.  
2. Prepare 10 article summaries that relate to your selected research topic.  
3. Product: Slide Show Presentation OR Submission of Summaries                                                                                     | OCT 20   |
| Abstract of Research Project | 1. Abstract must meet all requirements for Science Fair entry.  
2. Product: Completed Abstract                                                                                                                      | NOV 1    |
2. Product: Slide Show Presentation OR Written Proposal Submission                                                                                   | NOV 15   |
<p>| Final Abstract              | 1. Submit final abstract to Science Fair                                                                                                                                                                      | DEC 9    |</p>
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| Poster/Research Binder | 1. Create Trifold Poster for your Research Presentation  
2. Create a Research Binder containing printed out articles, notes and lab notes | JAN 10   |
| Presentation         | 1. Prepare a presentation of your Research Project  
2. Product: Presentation Script                                           | JAN 15   |
| Poster Presentation  | 1. Present your poster to the class.  
2. Revise poster, based on feedback from your peers                          | JAN 20   |
| Mock Science Fair    | 1. Present your Research Project to the “judges” in a mock science fair format.  
2. Revise your presentation, based on feedback from the “judges”               | JAN 30   |