**SCIENCE FAIR RESEARCH SCHEDULE FALL 2018**

Harrison Science Fair: December 10-14, 2018 at HHS Freshman Cafeteria

Cobb-Paulding Regional Science Fair: February 9, 2019 at Lovinggood Middle School

Georgia Science & Engineering Fair: March 28-30, 2019 at the Classic Center in Athens, GA

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| READING/RESOURCE  | ACTION ITEMRecord ALL items in your Science Fair composition notebook. Bring printed item to STEM class(es) on the due date. | DUE DATE  |
| [*The Craft of Research*](https://cobbk12org-my.sharepoint.com/personal/stephanie_tatum_cobbk12_org/_layouts/15/onedrive.aspx?FolderCTID=0x01200063EC024CB7CE9746A99886DCCB87EC57&id=%2Fpersonal%2Fstephanie_tatum_cobbk12_org%2FDocuments%2FSTEM%2FSTEM%20Science%20Fair%2FBooth_The%20Craft%20of%20Research%2Epdf&parent=%2Fpersonal%2Fstephanie_tatum_cobbk12_org%2FDocuments%2FSTEM%2FSTEM%20Science%20Fair) Ch. 3 | Name your topic; Add an indirect question; answer *so what*. Partner/group parental permission. | Thursday, August 23 |
| *The Craft of Research* Ch. 4 | Formulate your topic, conceptual question, conceptual significance, and potential practical application. | Monday, August 27 |
| *The Craft of Research* Ch. 5 & 6 | Locate, print, and annotate five sources. Initiate bibliography page. Complete the literature matrix. | Thursday, September 6 |
| [Literature Review informational handout](https://cobbk12org-my.sharepoint.com/%3Aw%3A/r/personal/stephanie_tatum_cobbk12_org/_layouts/15/Doc.aspx?sourcedoc=%7B73B2758F-9D82-4AFD-B718-60E1E2453E42%7D&file=What%20is%20a%20review%20of%20literature.docx&action=default&mobileredirect=true) | Compose a literature review.  | Friday, September 14 |
|  |  Compose research question(s), hypothesis(es), engineering goal(s), expected outcomes;Procedures: Detail all procedures and experimental design including methods for data collection;  Risk and Safety: Identify any potential risks and safety precautions needed;  Data Analysis: Describe the procedures you will use to analyze the data/results. | Wednesday, September 19 |
| [www.cobbsciencefairresources.weebly.com](http://www.cobbsciencefairresources.weebly.com/)  | Use the Forms Wizard to complete all GSEF required forms. (If necessary, complete a request for IRB and SRC committee approval).  | Friday, September 21 |
|   | Begin ASAP. Use this time wisely!Conduct and complete your experiment and data analysis. Gather evidence using sound scientific inquiry methods. |  |
| *The Craft of Research* ch. 7 & 8 | Compose a claim based on evidence and data/results. | Monday, November 26 |
| *The Craft of Research* ch. 9, 11, & 15 | Assemble at least four reasons with accompanying evidence to prove your claim. | Tuesday, November 27 |
| *The Craft of Research* ch. 10 | Acknowledge a counterclaim and refute it. | Wednesday, November 28 |
| *The Craft of Research* ch. 12, 13, &16 | Compose a complete rough draft of the research paper. Include updated bibliography page. | Thursday, November 29 |
| *The Craft of Research* ch. 14 & 17 | Revise and polish the final draft of the research paper. | Monday, December 3 |
| [www.cobbsciencefairresources.weebly.com](http://www.cobbsciencefairresources.weebly.com/)  | Review all GSEF required forms. Abstract due. | Thursday, December 6 |
|   | Assemble a tri-board to represent your research claim, reasons, procedure, evidence, data, and practical application. | Monday, December 10 |