Agriscience Fair Timeline

Month	Activities	Things to Consider	Teacher Ideas
September	1. What is the Agriscience Fair project? 1. Brainstorm Topics - Students often struggle with this part. You may give them computer time to research topics on sites like ScienceBuddies.com, have them look through their textbooks (both science and ag) and make a list of topics that interest them, read agricultural magazines and journals. Students do better with a topic that they are interested with!	1)Topic is original **OR** presents an original variation to already completed research 2)Impact this experiment could make 3)In question form and is clear and solvable	1. Go over categories, rules, teacher expectations and assignment (due dates, etc) 2. Explain and set up their logbooks 3. Discuss available resources, opportunities to collaborate both in school and with community (partner with local scientist, agricultural business, farmers, ranchers, etc). Students don't have to have brilliant ideas or know everything. Go to the experts for help. 4. Discuss record books/SAE if you are requiring them to maintain for project.
October	1. Research Proposal or research plan due for approval - Can be in an in depth proposal or very simple - Make sure that the projects are realistic, relevant, age appropriate, and students have the resources (or can find) to complete the project. 2. Complete introduction, review of literature, materials, and methods.	1) Research cited that is similar to research conducted 2) Research cited that led to ideas and protocol of research conducted and how might tie together 3) Take notes for research to use in your literary review 4) Print and highlight important fact and make citations to use later	1. Before research proposals are due, discuss components of research- types of variables, methods of collecting data, using log books, etc - When talking to the students about ideas make sure not to discredit their ideas, try to ask questions that may lead them to determine an idea is not good or not doable. We don't want to discourage the students. 2. This is a good opportunity to partner with your English teacher and librarian to help students develop or refresh research skills like taking notes, determining validity of sources, using databases, and using APA style.
November	Set a clear hypothesis, variables, and procedures. Include methodology with the procedure. Methodology is explaining why you are doing steps the way you are.	1)Independent & Dependent Variables Identified 2)Dependent variables caused by independent variables 3)Controlled/Constant Variables Identified and held steady 4)Is a potential answer to the question 5)Procedure could be repeated by another	Put observation column on data sheet

December	Conduct Experiment	Keep track of data and rework experiment if need be. (Do you have 3 sets of data? Repetition?)	1. Check log books and record books during this time to make sure students are working and making progress.
January	Conduct Experiment	Keep track of data and rework experiment if need be. (Do you have 3 sets of data? Repetition?)	1. Check log books and record books during this time to make sure students are working and making progress.
February	Conduct Experiment	Keep track of data and rework experiment if need be. (Do you have 3 sets of data? Repetition?)	1. Check log books and record books during this time to make sure students are working and making progress.
March	Conclude Experiment and Analyze the data	Conclude the experiment when there is sufficient data to accept or reject hypothesis (Do you have 3 sets of data?) 1)There is Quantitative Data (photos of data and observations) in chart with an Average 2) There is Qualitative Data explained 3)Summarize Results with numerical support 4) Accept, Reject or state Inconclusive hypothesis 5) Discuss how previous literature/references have a relationship to your results. 6) Where would research continue from this point 7) Evaluate (+/-) of Experiment Procedure 8) Impact research has on agriculture industry	
April	Complete Written Report	Follow Rubric found on Wisconsin FFA 7-8 Grade Written Report Rubric 9-12 Grade Written Report Rubric	1. Remember this is APA and work with an English teacher to finalize the report.
May	Fill out agriscience application and mail in. Create Display. Proofread written report.	Follow rubric - the display section is at the end of the interview rubric. Interview and Display Rubric	1. Watch the specifications for the display. Proof read everything on display.
June	Practice for the interview and finalize all materials Prepare you 2 minute introduction	Follow the Interview Rubric Interview Rubric	1. Interview Practice are another opportunity to collaborate with community members and alumni!