

Northwest Arkansas Science and Engineering Fair

Suggested Timeline 2021-2022

August-September	<ul style="list-style-type: none"> • SRC/IRB formed according to ISEF regulations • Research idea developed <ul style="list-style-type: none"> ○ Bibliography begun
September-November	<ul style="list-style-type: none"> • Research plan developed and all required Forms signed prior to experimentation • Before experimentation begins, a local Institutional Review Board (IRB) or Scientific Review Committee (SRC) must review and approve projects involving human participants, vertebrate animals, and potentially hazardous biological agents. <ul style="list-style-type: none"> ○ Student Checklist (Form 1A) completed and signed ○ Research Plan <ol style="list-style-type: none"> 1. Rationale: Include a brief synopsis of the background that supports your research problem and explain why this research is important and if applicable, explain any societal impact of your research. 2. Research Question(s), Hypothesis (es), Engineering Goal(s), Expected Outcomes: How is this based on the rationale described above? 3. Describe the following in detail: <ul style="list-style-type: none"> • Procedures: Detail all procedures and experimental design including methods for data collection. Describe only your project. Do not include work done by mentor or others. • Risk and Safety: Identify any potential risks and safety precautions needed. • Data Analysis: Describe the procedures you will use to analyze the data/results. 4. Bibliography: list a minimum of 5 major references, more are preferred ○ Approval Form (Form 1B) completed and signed by <ol style="list-style-type: none"> 1. student prior to experimentation 2. parent prior to experimentation 3. SRC and/or IRB prior to experimentation • Checklist for Adult Sponsor (Form 1) <ul style="list-style-type: none"> ○ Filled in, signed/dated by Adult Sponsor prior to experimentation • Access more information on Rules for All Projects https://www.societyforscience.org/isef/international-rules/ • All other forms required of project signed and dated appropriately • NWARSEF AFFILIATION AGREEMENT and SRC/IRB Due: November 1, 2022: https://bit.ly/3ii3xc1
October-January	Experimentation and Data Collection
January	Abstract Completed Visual Display Constructed
December - February	Local science fair held at school or district by February 23, 2022
February	<ul style="list-style-type: none"> • Top 4 5th-12th grade winners in each division and category are registered with the NWARSEF by Wednesday, February 23, 2022. All projects with abstracts are submitted into the NWARSEF database. Registration links: https://bit.ly/3ii3xc1 • All student project paperwork is due 10 days prior to NWARSEF. • Regional teachers participating in NWARSEF assist with the NWARSEF SRC on Saturday, February 26, 2022, prior to the NWARSEF.
March	NWARSEF – March 11, 2022 at UA in Fayetteville ISEF representatives meet for all day meeting – Saturday, March 12, 2022 Top 5 9-12 th grade representatives register for STATE Science and Engineering Fair
April 1-2, 2022	State SEF at UCA in Conway for NWARSEF 9-12 th grade winners, Registration deadline (on-line): March 18, 2022
April-June, 2022	6-8 th grade BroadCom Masters Winners submit paperwork to BroadCom Masters
May 8-13, 2022	ISEF in Atlanta, GA, NWARSEF finalists