

**Calendar and Deadlines**

**2019 -20 SCIENCE FAIR (PBL II) PROJECT SCHEDULE - 3 through 8 (2nd Grade Optional-3rd Grade Inclassroom)**

	<b>STEPS &amp; ASSIGNMENTS</b>	<b>DATES</b>	<b>EXPLANATION</b>
			<i>The Science Fair Booklet is to be kept in the student's Science Binder as a reference. Please do not take pages out. Pages that need to be turned in will be given separately.</i>
<b>1</b>	<i>Students will receive the Science Fair Booklet, and parental notification form.</i>	<b>Monday, Aug 19</b>	
<b>2</b>	<i>Informative Science Fair Meeting for Parents</i>	<b>Tuesday, Sep 3</b>	<i>All new parents and students are respectfully asked to participate.</i>
<b>3</b>	<i>Parental Notification Forms due back.</i>	<b>Tuesday, Sep 10</b>	<i>Form must be signed by parent and returned to the SCIENCE Teacher by the due date.</i>
<b>4</b>	<i>Submit 3 possible topics for approval</i>	<b>Wednesday, Sep 11</b>	<i>If students have difficulties in finding a project, they can visit any of the sites listed at the beginning of this handbook, or any other science fair related website / book they wish to help narrow down an area of interest for their project.</i>
<b>5</b>	<i>Science Project Proposal Approval</i>	<b>Friday, Oct 4</b>	<i>A summary explanation of the question or problem the student will investigate.</i>
<b>6</b>	<i>Background Research Paper &amp; Bibliography</i>	<b>Friday, Oct 25</b>	<i>Bibliography: a list of the sources that will be used to answer the research questions. SEFH Requirement: at least 3 offline sources (books, magazines, articles, etc.) Students will write a 1-2 page paper based on their research of their topic. They will include other people's findings and conclusions.</i>
<b>7</b>	<i>Variables &amp; Hypothesis Or Design Goals Materials &amp; Experimental Procedure</i>	<b>Friday, Nov 8</b>	<i>Variables &amp; Hypothesis: An explanation of factors that will be changed and measured while conducting the experiment and a hypothesis of what might happen due to that change. Design Goals: An explanation of how the design will help solve the problem addressed. Materials &amp; Experimental Procedure: A detailed list of the materials that will be used to conduct the experiment and the detailed steps that will be followed while conduct the experiment.</i>
<b>8</b>	<i>Data Collection and Analysis: -Data Tables - Graphs</i>	<b>Friday, Nov 15</b>	<i>Data tables need to contain units, # of trials, average columns AND collected data. Graphs need to be labeled, have units, AND collected data. Work may start in class and be completed as homework.</i>
<b>9</b>	<i>Conclusion, Discussion of real-world applications, &amp; Abstract</i>	<b>Wednesday, Dec 4</b>	<i>The abstract is a short summary of the student's work, which includes a statement of purpose, brief description of the procedures, and the conclusion based on results collected. The conclusion is a separate paragraph. It is the final conclusion to the project, stating whether the hypothesis was correct or not.</i>
<b>10</b>	<i>Final Report (NO LATE WORK ACCEPTED)</i>	<b>Wednesday, Dec 11</b>	<i>Details will be given later. The Final Report will include the Research Plan info, data tables, graphs, and the background research done by the students. Students will present their project in class for peer review as well as teacher feedback. The digital products should include: -Question or problem -Hypothesis or engineering goal -Variables or areas of focus -Experimental Procedure and Number of Trials (or redesign) -Data Table with measurements and observations -Graphs (with appropriate type, labels, and units) -Pictures or video and sound</i>
<b>11</b>	<i>Digital format presentation to the class (PowerPoint, Prezi, WeVideo, Movie Maker, etc.)</i>	<b>Wednesday, Jan 15</b>	
<b>12</b>	<i>Display Board-School Wide</i>	<b>Friday, Jan 17</b>	<i>Students who advance to the cluster wide fair or regional fairs based on the above presentation, will also need to build a display board.</i>
<b>13</b>	<i>Paperwork Submission</i>	<b>Friday, Jan 31</b>	<b>South Plains Regional Science</b>
<b>14</b>	<i>South Plains Regional Science Fair</i>	<b>Thursday, Feb 20</b>	<b>Time will be announced</b>