

Science Convention Timeline

Day(s)	Today's Task
1	<p>WHOLE GROUP: Explain expectations and rubrics.</p> <p>IN PAIRS:</p> <ul style="list-style-type: none"> ▪ Brainstorm science convention ideas. ▪ Select a science convention topic related to states of matter. ▪ Formulate an investigable question about your topic.
2	<ul style="list-style-type: none"> ▪ Plan a science convention investigation using packet pp. 1-3. ▪ Prepare list of materials (page 3).
3 & 4	<ul style="list-style-type: none"> ▪ Conduct experiment. ▪ Collect data (use metric measurement if applicable). ▪ Select the type of project you will create (poster or PowerPoint).
5-8	<ul style="list-style-type: none"> ▪ Analyze data-look for patterns (Packet pg. 4). ▪ Do research to learn more about the topic and to explain the results scientifically. ▪ Claim/Evidence/Reasoning (Packet pg. 5-6). ▪ Begin presentation project: poster or PowerPoint.
9-10	<p>Complete <i>formative feedback loop</i> (Stadler, 1989):</p> <ul style="list-style-type: none"> ▪ 5th graders practice presentation 3 or more times to build confidence. ▪ Video-record presentation using PST's iPad. ▪ Watch the video with 5th grade buddy. ▪ 5th graders generate ideas for improving the presentation. ▪ PST provides specific feedback about the presentation: <ul style="list-style-type: none"> ➢ Share specific strengths of the presentation. ➢ Share 1 or 2 specific suggestions for improving the presentation. ▪ Practice presentation 2-3 more times with other pairs (5th grader and preservice teacher).
11	<ul style="list-style-type: none"> ▪ Self-assessment: 5th grader and PST score own project using rubric. ▪ Peer pairs score and provide feedback on others' projects using rubric.
12	<p>Science Convention</p> <ul style="list-style-type: none"> ▪ Present projects to others.