



## The SFUSD K-12 Research Process

<p style="text-align: center;"><b>CONNECT</b></p> <p>Pre-search I</p> <ul style="list-style-type: none"> <li>◇ Prior knowledge</li> <li>◇ Keywords</li> <li>◇ Associations</li> <li>◇ Sub-topics</li> </ul>	<p style="text-align: center;"><i>What we know now is the beginning of what we could know in the future.</i></p> <ul style="list-style-type: none"> <li>◇ Identify and reflect on what you already know about a topic and where you might go to find resources</li> <li>◇ Develop keywords from what you already know</li> <li>◇ Conduct a preliminary search for more keywords, subtopics and possible sources for information</li> </ul>
<p style="text-align: center;"><b>QUESTION</b></p> <p>Pre-search II</p> <ul style="list-style-type: none"> <li>◇ Question types</li> <li>◇ Move from closed to open questions</li> <li>◇ Essential questions</li> <li>◇ Sub-questions</li> </ul>	<p style="text-align: center;"><i>Questions frame and drive further research.</i></p> <ul style="list-style-type: none"> <li>◇ Formulate and identify relevant inquiries beginning with simple, closed ideas (who, what, where, etc.) and moving toward open-ended inquiries</li> <li>◇ Recognize that some questions have no answers or multiple answers</li> </ul>
<p style="text-align: center;"><b>INVESTIGATE AND EVALUATE</b></p> <ul style="list-style-type: none"> <li>◇ Use source and search tools</li> <li>◇ Search</li> <li>◇ Find</li> <li>◇ Distinguish</li> <li>◇ Analyze and determine relevancy, accuracy, bias, usefulness, quality, authority, currency</li> </ul>	<p style="text-align: center;"><i>Using diverse sources and evaluating the information within provides the understanding necessary to use the information creatively.</i></p> <ul style="list-style-type: none"> <li>◇ Identify a variety of possible sources</li> <li>◇ Effectively use sources and search tools</li> <li>◇ Evaluate and determine which are the best sources to answer research questions</li> </ul>
<p style="text-align: center;"><b>CONSTRUCT AND CONCLUDE</b></p> <ul style="list-style-type: none"> <li>◇ Note taking system</li> <li>◇ Organizational patterns for information</li> <li>◇ Gather evidence</li> <li>◇ Draw conclusion(s)</li> </ul>	<p style="text-align: center;"><i>Effective note taking leads to well-reasoned conclusions supported by evidence.</i></p> <ul style="list-style-type: none"> <li>◇ Use a note taking system to collect and organize information</li> <li>◇ Make choices about what information to use as evidence to support a conclusion</li> </ul>
<p style="text-align: center;"><b>APPLY AND CREATE</b></p> <ul style="list-style-type: none"> <li>◇ Internalize new knowledge</li> <li>◇ Understand what impact this knowledge has on you and others</li> <li>◇ Act on knowledge</li> </ul>	<p style="text-align: center;"><i>Understand what you have learned and what you will do with this new knowledge.</i></p> <ul style="list-style-type: none"> <li>◇ Cite all sources used in according to standard style formats</li> <li>◇ Present different perspectives with evidence for each</li> <li>◇ Develop own point of view and support with evidence</li> <li>◇ Choose the most appropriate format, tone and language to communicate ideas clearly in real world formats to different audiences</li> </ul>
<p style="text-align: center;"><b>REFLECT</b></p> <ul style="list-style-type: none"> <li>◇ Evaluate</li> <li>◇ Revise</li> <li>◇ Assess</li> </ul>	<p style="text-align: center;"><i>Evaluating our work extends the learning beyond the product.</i></p> <ul style="list-style-type: none"> <li>◇ Assess and revise own work</li> <li>◇ Use established criteria or collaborate with classmates and teacher to develop criteria for assessment</li> <li>◇ Evaluate product and process to make revisions when necessary</li> <li>◇ Identify own strengths and set goals for improvement</li> </ul>

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