

## POGIL Process Skills

<p><b>Personal Skills</b></p> <ul style="list-style-type: none"> <li>• Self Assessment and Metacognition</li> <li>• Gathering information and reflecting on experiences to improve subsequent learning</li> <li>• Judging own progress in learning (concepts, techniques and skills)</li> <li>• Accepting peer review and feedback</li> <li>• Thinking/reflecting about one’s thinking and how one learns, and being aware of one’s knowledge.</li> </ul>	<p><b>Critical Thinking</b></p> <ul style="list-style-type: none"> <li>• Understanding concepts deeply</li> <li>• Learning from failures</li> <li>• Formulating good questions</li> <li>• Building analogies</li> <li>• Identifying similarities, differences, and patterns</li> <li>• Creating new ideas from old ones</li> <li>• Defining rules and making inferences</li> <li>• Synthesizing relevant info to form an argument or reach a conclusion supported with evidence</li> <li>• Summarizing and drawing conclusions</li> </ul>
<p><b>Management</b></p> <ul style="list-style-type: none"> <li>• Planning organizing, directing, and coordinating one’s own and others’ efforts to accomplish a goal.</li> <li>• Managing time</li> <li>• Utilizing resources effectively – both people and materials. Management of human resources is key in the success of any organization.</li> </ul>	<p><b>Problem Solving</b></p> <ul style="list-style-type: none"> <li>• Identifying, planning, and executing a strategy to find a solution to a situation or question</li> <li>• Persisting and taking risks</li> <li>• Identifying key issues</li> <li>• Identifying assumptions</li> <li>• Applying prior knowledge and creating new knowledge</li> <li>• Understanding context</li> </ul>
<p><b>Information Processing</b></p> <ul style="list-style-type: none"> <li>• Observing/recognizing</li> <li>• Evaluating</li> <li>• Predicting</li> <li>• Manipulating information</li> <li>• Transforming information</li> <li>• Interpreting graphs, models, and data</li> <li>• Paying attention to details</li> </ul>	<p><b>Communication</b></p> <ul style="list-style-type: none"> <li>• Oral Communication <ul style="list-style-type: none"> <li>○ Exchanging information and understanding through speaking, listening, and non-verbal behaviors.</li> </ul> </li> <li>• Written Communication <ul style="list-style-type: none"> <li>○ Conveying information and understanding to an intended audience through written materials (paper, electronic, etc).</li> </ul> </li> </ul>
<p><b>Teamwork</b></p> <ul style="list-style-type: none"> <li>• Respecting everyone’s opinions</li> <li>• Including all group members</li> <li>• Forming shared understanding</li> <li>• Compromising and cooperating</li> <li>• Building consensus</li> <li>• Sharing ideas</li> <li>• Building on each other’s individual strengths and skills</li> <li>• Working toward a common goal.</li> </ul>	