![D:\Users\plbiddle\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4VHFCBC8\MC900233971[1].wmf]()![D:\Users\plbiddle\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\12V345P9\MP900337348[1].jpg]()The Science Learner Profile

|  |  |
| --- | --- |
| Attribute |  |
| Inquirers | Students will exhibit curiosity in how things work at a scientific level, investigating safely, asking the right types of questions to further one’s learning and to create opportunities for scientific explanation. Students will develop and employ critical-thinking skills through appropriate research and experimentation. |
| Knowledgeable | Students will demonstrate an ability to express thoughts and ideas about using correct scientific terminology and concepts, to transfer math and language skills to appropriate use in science, and to connect foundational knowledge to answer unfamiliar situations. |
| Thinkers | Students will use their knowledge to provide plausible solutions to problems and create possible solutions, to the process of problem solving/reasoning, and to making ethical decisions. |
| Communicators | Students will use various communication modes appropriately: sharing/communicating ideas/research through publication to further science, documenting sources correctly, and expressing ideas thoughtfully and effectively when collaborating and listening and considering ideas of others |
| Principled | Students will act with honesty and integrity when researching, experimenting, and reporting findings. Students will take responsibility for their own actions. Students will consider ethics and morals in all scientific endeavors. Students must also defend points of view ethically |
| Open-minded | Students will listen to and consider the views of others and consider a range of possibilities before making an assessment. Students should also exhibit an ability to create solutions that are unconventional. |
| Caring | Students will consider how science can solve local/global problems or issues. Students should be committed to practicing science with morals and ethics in mind, respecting the concerns of others, cooperating with peers, and by fulfilling a valuable role in any collaborative effort. |
| Risk-takers | Students should embrace challenges and new ideas. Students will learn to use new strategies, not being afraid to try something new or different. Students must also be unafraid to find unexpected conclusions. |
| Balanced | Students should enjoy a variety of activities including practical work, experiments, and modeling. Students must learn to manage time well; organize thoughts, and plan before beginning a task.  |
| Reflective | Students will consider how learning experiences have impacted their development. In their science curriculum, they will evaluate methods, processes, and contributions, considering what worked and what did not. Students should also identify a plan for growth. |