

Quality Control for Program Integrity Science School

A Science Alternative Program will have the following components:

- ✓ An inquiry based program where teachers facilitate inquiry with students
- ✓ Integrated instruction, with a science 'lens', or focus, where reasonable
- ✓ Use of the Alberta Program of Studies as the foundation for program development
- ✓ Intentional facilitation of learning of ethics in science and ethical treatment of the environment
- ✓ Students engage in study of the natural world of their schoolyard and community
- ✓ Students participate in field trips to enhance science topics and inquiries
- ✓ Students interact with scientists and senior students of science in person and virtually
- ✓ Students participate in enriching science opportunities such as Calgary Youth Science Fair, Science Olympics, Science Essay Contests, Virtual Science Fairs, Calgary Science Network 'Science Writers', as fits their particular interests
- ✓ Students develop portfolios in order to assess their growth in learning and their accomplishments
- ✓ Students explore careers in fields which may have a relationship to their interests in science
- ✓ Parents sign a document which demonstrates their commitment to the program
- ✓ Teachers participate in ongoing professional development and learning of science content and pedagogy of science
- ✓ Teachers provide leadership within the CBE and the wider professional community to share teaching and learning strategies
- ✓ Ongoing access to local partnership enrichment opportunities such as petroleum, alternative energy, biotechnologies, environmental initiatives, post-secondary institutions
- ✓ Students apply and are interviewed to ensure a match with the science school approach to learning and the student's interest and ability

