

SCIENCE DEPARTMENT

Philosophy:

God, as the Creator and Sustainer of the universe, is the foundation of all our science classes. He is the giver of life and all that makes this life enjoyable. In spite of the curse of sin on our planet, we can easily see the orderly design and beauty. To appreciate the wonder found in science, we stand in awe of His majesty. The truth of science that is taught here at PCA is the Truth found in Scripture that our Sovereign God designed everything in nature. Our students are intellectually challenged to better understand their world through scientific investigation in spite of its limits. They will develop inquisitive minds to unlock the secrets of what God actually did in His creation. Practical experience through hands-on lab experimentation, exposure to new applications in industry and medicine, and finally, the challenge to meet the unsolved needs still before us, can ultimately enable them to face the future with awareness of science and how it will affect the quality of our lives. The more that they understand the complexity, sophistication and beauty of our universe, the more they will appreciate how truly marvelous is our God.

Goals:

1. Students will be able to articulate the relationship between the material world and its Creator.
2. Students will participate in hands-on investigations weekly in order to connect math, technology, and engineering to the sciences.
3. Students will be taught science a minimum of three times per week.
4. Students will employ critical thinking skills as they collaborate in lab activities.
5. Students will improve their observation and measurement skills with the help of technology.
6. Students will grow in their understanding of science, and to ensure that growth, their understanding will be measured by Map testing, pre-testing, and post-testing.

7. Students will participate in science curriculum that is aligned to our state benchmarks as delineated in Curriculum Trak.