

DEVELOPING LEARNERS' SCIENCE PROCESS SKILLS

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Science process skills are essential for learners to develop a deep understanding of scientific concepts and to become critical thinkers. These skills are critical to cultivate in science education because they enable learners to think critically and generate findings that can be supported by scientific ideas. Learners can build and acquire new knowledge or reinforce existing knowledge by using science process skills. These skills include observing, classifying, measuring, inferring, predicting, and communicating. By developing these skills, learners can engage in the scientific method and conduct experiments effectively.

One way to develop learners' science process skills is through hands-on activities. Allowing students to actively participate in experiments not only enhances their understanding but also encourages them to think critically and problem-solver. For example, conducting a simple experiment where learners observe the growth of plants under different conditions can help them develop their observation and inference skills.

Another effective strategy is providing opportunities for collaborative learning. Group work allows learners to discuss ideas, share observations, and make predictions together. This fosters communication skills while also promoting teamwork and cooperation.

Furthermore, teachers should encourage learners to ask questions and explore their curiosity. By encouraging inquiry-based learning, teachers can guide learners towards finding answers on their own rather than simply providing information. This

approach helps develop critical thinking skills as well as a sense of ownership over their learning.

Including the fundamental science process abilities collectively and progressively gaining the capacity to design fair testing is becoming more and more important in subsequent grading levels. Effectively combining the scientific method using lessons in the classroom and field research will enhance the education deeper and more significant experiences for pupils. The skills will be taught to students and its content.

Developing learners' science process skills is crucial for their overall scientific literacy. Through hands-on activities, collaborative learning experiences, and inquiry-based approaches, educators can empower students with the necessary tools to become independent thinkers who are capable of understanding complex scientific concepts.

References:

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