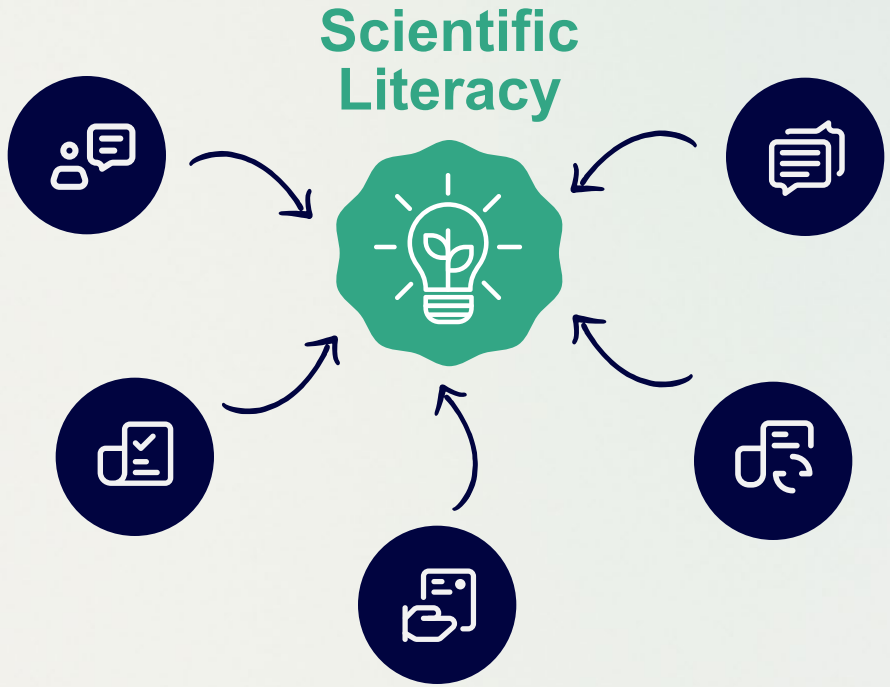
Factors Influencing the Success of Learning Management in Enhancing Scientific Literacy Among High School Students in the Three Southernmost Provinces

Instructional Management

Quality instructional management plays the most crucial role in the development of scientific literacy. The aspect of instructional management has the highest positive correlation with scientific literacy (r = .804).

Student Learning Behavior

Students' enthusiasm, interest in science, and positive attitude toward learning are all factors that have a certain impact on the development of scientific literacy. Student learning behavior has a relatively high positive correlation with scientific literacy (r = .675).



Administrative Support

Appropriate resource allocation, support for teacher development, and fostering a positive working environment in schools are essential for the development of scientific literacy. Administrative support has a moderate positive correlation with scientific literacy (r = .548).

Assessment and Evaluation

Assessment and evaluation have a low but statistically significant correlation with scientific literacy (r = .107). This indicates that effective assessment and evaluation can accurately reflect students' understanding and help teachers improve their instruction.

Curriculum Analysis and Design

Curriculum analysis and design show no statistically significant correlation with scientific literacy (r = .022). This may be because curriculum design does not directly influence the learning process in the classroom as much as other factors.

M. Hayibaka, L. Adulyasas, R. Anantanukulwong, and A. Lateh (2025), Faculty of Science Technology and Agriculture, Yala Rajabhat University, Yala 95000, Thailand, Corresponding author: afifi.l@psu.ac.th

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