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Kamla-Raj IJES 2024

PRINT: ISSN 0975-1122 ONLINE: ISSN 2456-6322

Int J Edu Sci, 47(3): 91-100 (2024)

DOI: 10.31901/24566322.2024/47.03.1352

Integrating Rubrics as a Competencies-based Evaluation Tool for Performance Enhancement in Mathematics Education

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KEYWORDS Assessment Tools. Construction. E-Evaluation. Holistic Education. Learning. Pedagogy

ABSTRACT The field of education is rife with debate over the most effective methods to improve learning and performance among pupils. Educators from all over the world endorse the use of rubrics as a teaching tool today, highlighting the significant contributions that rubrics can make to the teaching-learning paradigm. A rubric is a helpful grading tool that educators may use to give more objective, dependable, and consistent grades. Students can become more aware of their strengths and limitations, and more objective about the ability of their work with the help of a well-designed rubric. The present study aimed to construct and validate competency-based rubrics for the mathematical problem-solving content of grade 8. The study was conducted in three phases: construction, validation, and implementation of the rubrics. The results revealed that students scored good marks after using rubrics, and teachers were also clearer about the assessment and scoring methods. It was also observed that if a rubric is developed, it may significantly improve student learning while also reducing the amount of time the instructor needs to spend grading papers. Thus, the rubric serves as an effective tool in the assessment of the students' performance in Mathematics. The researchers further provided the reflections given by the teachers in the present study and suggested the recommendations accordingly.