

EFFECTIVE STUDENT ASSESSMENT

DR. M. Rafi Ahamed and S. MD. MN. Iqbal

Dept of Zoology, S.K.P Govt Degree College (P.G & U.G),Guntakal, Anantapur Dist, A.P. 518506

Email: rafiahamed6@gmail.com

Abstract—Assessment is the use of variety of procedures to collect information about learning and instruction it was derived from Latin verb 'assidere' - means to sit with Assessment can be classified into two types (1) Formative assessment (2) Summative assessment . The first one i.e., formative assessment is commonly referred to learning, in which the focus is on monitoring student response to and progress with instruction. This provides immediate feedback to both student and teacher regarding the learning process. The second one i.e., summative assessment is commonly referred to assessment of learning in which the focus is on determining to what extent the student has learned at the end of a unit instruction or at end of grade level, over all summative assessment helps to determine to what extent the instruction and learning goals have been achieved . Thus in this topic the contribution of summative and formative assessment has been discussed to achieve larger goals of assessment process.

Index Terms— Gardens Analogy, Summative, Formative assessments

I. INTRODUCTION

Various Educationists used different tools for assessment of the student learning process, in this context the U.S.A Govt in New Hampshire used two terms namely SINI,DINI. SINI means school in need of improvement, DINI means District in need of improvement. The above two terms emphasised the requirement or to follow above terms one can assess the effective students achievement can be done by improving the above two aspects. Hence in the present topic effective student assessment needs to improve summative and formative aspects, further Curriculum-based measurement (CBM) (Deno,2001) and over all reading activity(Fuchs et al.,2001)., self assessment, observation, portfolios should be implemented in formative assessment. The summative assessment also employees a variety of tools and methods for obtaining information what has been learned by the student at class room and school level. The summative assessment requires following tools or methods namely End of unit tests or Projects, Course grades and Portfolios etc...However in the present context Information Technology is clubbed to achieve effective assessments in students education system, the educational practises includes use of face books, e-libraries, online quizzes, e-mails, smart boards.

II. METHODS USED IN FORMATIVE ASSESSMENTS

The formative assessment can be defined as it is interactive or cyclic nature(Sadler,1988) at the class room level where teacher collect information about student learning make relevant adjustments in their teaching and continue to collect information that means, it includes

observation, feedback and journaling for effective formative assessment.

According to Gardens Analogy of Assessment similar to equipment feeding and watering the plants appropriate to the needs directly affecting the growth. Where as in the summative assessment it does not affect the growth. According to Black and William 1998 formative assessment gains significance when assessment results are used to inform the instructional and learning process. This condition requires the collection analysis of and response to information about student progress.

Tools used in formative assessment.

1. Feedback
 2. Curiculam-based measurement
 3. Self assessment
 4. Observation 5.Portfolios
1. Feedback: A teacher provides oral or written feedback to student discussion or work.
 2. Curriculum-based measurement (CBM) : It includes student progress performance.
Example: Oral reading fluency.
 3. Self assessment: Example Student progress on monitor.
 4. Observation: A teacher observes and records student's academic/affective behaviour.
 5. Port folios: It is used as part of evaluation of student learning with regard to stated learning objectives.

NATIONAL CONFERENCE ON ICT EMPOWERED TEACHING, LEARNING AND EVALUATION (NCICT-2016)

International Journal of Advanced Scientific Technologies in Engineering and Management Sciences (IJASTEMS-ISSN: 2454-356X) Volume.2,Special Issue.1Dec.2016

III. METHODS USED IN SUMMATIVE ASSESSMENT:

Summative assessment includes various methods for obtaining information about what has been learned by the student at class room and school level. The effective summative assessment needs a clear alignment between assessment, Curriculum and instruction as well as the use of assessments that are both valid and reliable. The summative assessment provides critical information about students over all learning as well as an indication of quality of class room teaching.

Tools used in Summative assessment:

1. End of unit tests or projects.
2. Course grades
3. Portfolios'

1. End of unit tests or projects: A well designed end of unit tests provides teachers with information about individual students where one can identify a student who failed to meet the objectives.

2. Course grades: The course grades provide information how well student has met the overall expectations for particular course. Tests reflect an indication how many students are achieving to establish grade level expectations.

3. Port folio: It is as a part of evaluation of student learning provides evidence of stated learning objectives.

IV. CONCLUSION:

Formative and Summative Assessments used for different purposes they serve ultimately with in integrated system of assessment, curriculum and instruction (Herman et al., 2006). Formative assessment can be directly used at individual student level because it measures how particular student is progressing in the instructional class identifies where support may be needed. The focus on individual student provides immediate feedback on them by using CBM (Curriculum-based measurement) (Stecker et al., 2005).The student progress can be monitored frequently to determine goal an performance level results in higher achievements for students ,particularly when teacher use

the data collected to inform their instructional practises. Summative assessments equally important as Formative Assessment.

However some Critics like Shepard 2001 revealed that summative assessment may affect class room instruction. But however it can serve as guide to teaching methods and improve better curriculum and meets the needs of students. The research data suggest that formative assessment exercises differently in implementation and responding to collect data through summative assessment. The summative and formative assessments are used in conjunction the potential exists to improve the outcomes of all students (Stiggins 2002). In the present world of revolution with regarding Information technology the effective use of smart boards, in teaching, online quizzes, group dissections, e-libraries can also be used as latest tools for effective students assessments..

REFERENCES

- [1] Black,P., & William,D, Assessment and classroom learning. *Assessment in Education*,5(1),7-74, 1998
- [2] Deno, S.L, Curriculum-based measures: Development and perspectives. Retrieved April 18, 2008, from http://www.progressmonitoring.net/CBM_Article_Deno.pdf, 2001.
- [3] Shepard, L.A, The role of classroom assessments in teaching and learning. In V.Richardson(Ed.), *Handbook of research on teaching*(4th ed., pp.1066-1101). Washington,DC:AREA, 2001
- [4] Stecker,P.M., Fuchs, L.S., & Fuchs, D, Using Curriculum-based measurements to improve student achievement: Review of research. *Psychology in the school*,42, 795-819, 2005
- [5] Stiggins, R.J, Assessment Crisis: The absence of assessment for learning. Phi Delta Kappan International. Retrieved April 18, 2008 from <http://www.pdkintl.org/kappan/k0206sti.htm> , 2002.
- [6] Fuchs, L.S., Fuchs, D., Hosp, M.K.,& Jenkns, J.R, Oral reading fluency as an indicator of reading competence: A theoretical, empirical, and historical analysis. *Scientific Studies of Reading*, 5, 239-256, 2001
- [7] Friendships Sadler, D. R, Formative assessment: Revisiting the territory. *Assessment in Education*, 5, 77-84, 1988