THE EFFECTS OF SELF-ASSESSMENT ON THE LEARNERS' ACADEMIC PERFORMANCE PJAEE, 18(4) (2021)

PalArch's Journal of Archaeology of Egypt / Egyptology

THE EFFECTS OF SELF-ASSESSMENT ON THE LEARNERS' ACADEMIC PERFORMANCE

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Nyla Uzma Khizar , ShaguftaMoghal , Muhammad Amir Saeed , The Effects Of Self-Assessment On The Learners' Academic Performance , Palarch's Journal Of Archaeology Of Egypt/Egyptology 18(4). ISSN 1567-214x.

Keyword: Self-assessment, English, Learners, Lahore, Pakistan.

Abstract:

This study explored the impact of self-assessment and self-directed learning on the student's achievement. The population of the study was randomly selected from Lahore. And all learners were studying in the third grade classroom. Students were randomly selected. The students were taught a self-assessment strategy as a whole group and it was reinforced in small group English instruction. At the beginning of the year, they were given a fall English test score to determine their baseline in English. During the study, they were given three pretest and posttests, as well as a winter English test to determine their progress. The results indicate that there was a significant change in performance due to being taught self-assessment strategies

Introduction:

The subject of this activity research is finding powerful approaches to have understudies evaluate their own learning and direct their learning inside the study hall. In a 3rd grade class, understudies are surveying their own figuring out how to recognize ways that they can improve their own work and show their comprehension of a given expertise or idea. Without anyone else surveying where they are performing inside an expertise, they can be more genuine about the assistance they need. This will promote their scholastic exhibition by permitting them to get the guidance that is expected to show dominance of the fundamental abilities. The self-assessments are given by educators to understudies to evaluate their learning on total tests, pretests, and coming full circle occasions. These self-assessments are on a 0-4 scale, with 4 being simply the most noteworthy score an understudy can give themselves. Only one out of every odd youngster can self-evaluate their learning in the study hall. Regularly understudies think they have a preferable comprehension of an idea over they really do, and subsequently rate themselves higher than they are really acting in the study hall. Right now, the instructor has noticed the understudies composing fours for themselves for every of the ability, even before the abilities have been educated. Rather than stamping themselves with a zero or a one which is the place where they are performing, they will rate themselves a four. Different understudies will stamp themselves a two or a three when they are at a four rating. They can verbally show another understudy how to do an expertise or play out an undertaking. The self-assessments are to recognize territories of qualities and regions of shortcoming. Both of these conditions present a test for the educator and the student. The objective is to guarantee that all youngsters know about their own adapting needs and qualities inside every unit.

1.1 Research Question:

What is the impact of teaching students self-assessment of their learning on their academic performance.

2. Literature Review:

Operational Definitions:

The independent variable in this study was teaching strategies for self-assessment that the students will receive in the third grade math class. The entire class will receive one self-assessment strategy. The dependent variable in this study will be the student performance on pretest and posttests. Students will take the post assessment provided by the county, as well as a pre MAP test and a winter post MAP test. The scored tests are defined as the student achieveme

This literature review seeks to explore the impact of student assessment on academic performance in the classroom. Section one provides an overview of the importance of assessments in the classroom. Section two explores the forms of self-assessment and the means of teaching it to students. Section three explores the rationale of self-assessing and the importance of students' engagement in their learning. Section four explores the importance of self-directed learning through self-assessments. Section five explores the idea that self-assessment has an impact on student performance. Section six explores self-assessment as a motivation for students to learn. Section seven explores the teacher's evaluation of a student centered learning environment and students' self-assessing their learning.

2.1The Importance of Assessments in the Classroom:

An extensive proportion of class time is devoted to understudy's examinations of acknowledging, which incorporates introducing understudies to a variety of assessment tasks. These tasks develop the understudies feelings about their introduction (Dignath and Büttner, 2008) Students' perspective on these assessment tasks similar to inconvenience, importance, interest, multifaceted design, and worth pass on specific credits of the homeroom examination environment, which subsequently impacts understudies' convincing feelings and achievement. Assessments are given by teachers to understudies, and may even join high stakes state testing given by the two or multiple times every year to choose achievement of understudies and furthermore schools. High stakes outside tests reliably rule teaching and assessment; in any case, they give instructors a false model from which to deduce their own evaluations. These powerless models for formative evaluation are a result of their confined components of giving as a rule abstracts of achievement rather than critical examination. The assessing and giving of engravings are overemphasized, while offering critical direction and the learning limit are underemphasized. This shortfall of analysis that instructors give low achieving understudies causes these understudies to envision that they can't learn. Reiteration survey tests that are used by teachers invigorate redundancy shallow learning, regardless, when educators say that they need to make understanding. Various teachers give off an impression of being clueless of the inconsistency (Black and Wiliam, 1998). Disregarding the way that assessments are a central portion of instructing, they ought to be used in a critical strategy to the two understudies and teachers. Instructors could use this information to construe their step by step activities and understudies could use this examination to choose whether they were successful in learning the fundamental substance for a given class. Assessment practices can encourage understudies to see their investigation corridor evaluation conditions as instrumental learning. Most importantly, teachers ought to be clear about how understudies' learning will be surveyed. Second, teachers should give express information, in conclusion, educators can show understudies how misunderstandings can show that learning can be improved. The usage of acceptably problematic assessments is imperative to gain advancement. A wide scope of kinds of assessments are utilized in investigation corridors. A couple of instructors may decide for use elective examinations and use pre-set up rules for surveying the understudies' work prior to giving the evaluative task (McMillan and Hearn, 2008).

Forms of Self-Assessment and Teaching Self-Assessment:

Self-assessments are characterized as advancement portfolios which may contain curios like pictures, records, photographs, and recordings. The portfolio may archive victories or even disappointments. It might additionally create abilities that are feeble (Kicken, Brand-Gruwel, van Merrienboer, and Slot, 2009). In the course of recent many years, the structure for understanding the premise of gaining has moved bit by bit from an educator focused to an understudy focused study hall. This sort of approach has put greater duty on the understudies for their learning. During this sort of learning, understudies may conceptualize more about what they have realized and develop more answers for issues. Consequently the understudies

don't rely upon the instructor for their learning, however rather try to discover information all alone (Sungar and Tekkaya, 2006). Understudies checking and assessing the nature of their reasoning and conduct when learning and distinguishing the systems that improve their agreement and abilities may likewise be another type of self-assessment. Self-assessment can happen when understudies can pass judgment on their own presentation and distinguish regions that they actually need to chip away at to get the ideal evaluation for their exhibition (McMillan and Hearn, 2008). Evaluations can influence the inspiration and confidence of students and the advantages of drawing in understudies in self-assessment merits cautious consideration (William and Black, 2010). Instructors regularly gather denotes that fill their record books and give them higher need than the examination of understudies' attempts to perceive adapting needs, however educating and learning ought to be more intelligent. By giving evaluations, educators should acquire data and information about their understudies' presentation, too "as their advancement and challenges with realizing so they can adjust their own work to meet their students 'needs - needs that are regularly eccentric and that change starting with one student then onto the next." (Black and Wiliam, 1998, p.4). Self-guideline is the interaction where understudies can enact their earlier information, support their contemplations, deal with their assets for learning, and screen their own advancement. Understudies who have the characteristics to start learning errands, set objectives, and afterward screen their advancement towards these objectives, are bound to arrive at more significant levels of accomplishment than are understudies who depend on instructors to do these things for them. With the goal for understudies to arrive at this capacity to self-survey and self-direct their own learning, certain practices should be available. These practices are driven by understudies' longing or inspiration to need to learn. This inspiration at that point thusly permits them to make the important objectives to acquire the information they are looking for. Self-directed students give off an impression of being self-useful about their own capacities to dominate an objective. They additionally seem to have the capacity to consider their own reasoning, which is alluded to as metacognition. They may likewise have tirelessness to endure in troublesome undertakings that expect them to utilize their intellectual capacities to issue tackle (Sungar and Tekkaya, 2006). Different parts of self-controlled learning might be a period requested arrangement of administrative exercises, for example, an outline of a task and assets that are accessible, execution on the undertaking, and afterward a reflection about the learning. It is intriguing to take note of that when an examination was done about how understudies felt about this kind of learning, one gathering of understudies felt amped up for the capacity to pick one's own writing, while others had sensations of vulnerability. Still others noticed that they felt a feeling of trust during the time spent choosing learning assets. Studies found that understudies who are successful do have a self-appreciation guideline just as the abilities of self-coordinated acquiring. They additionally can consider their own accomplishments and their own critical job in accomplishing their own objectives. They can start their own learning and embrace it (Bannert, Riemann, and Sonnenberg, 2014)

Rationale for Self-Assessing Learning:

Teachers in latest years have urged students to turn out to be more autonomous with their own learning by assuming on the liability for their own getting the hang of, tending to the hole between what has been realized and what might be should be educated. Notwithstanding this preparation, students need to self-evaluate and perceive their own learning holes, to peer survey, and to utilize instructor criticism conferencing and other continuous, learned procedures which engage the student. Most as of late, developmental evaluation rehearses have been refined into a dynamic and intelligent methodology called "appraisal for realizing," which includes intuitive learning. During this sort of learning, the student is approached to be all the more effectively engaged with and take an interest in their figuring out how to set objectives and to survey and do their own appraisals just as companion appraisals. The appraisal for this learning model requests that understudies comprehend their evaluation objectives, for educators to give input valuable to the student, and for understudies to adjust their every day exercise arranging in result of their evaluation results. (Colby-Kelly and Turner, 2007). In homerooms where self-assessment is happening, agreeable learning has demonstrated to be more compelling. As understudies become more mindful of their own learning, they are better ready to work with others to discover approaches to share and utilize request based figuring out how to acquire information (Dignath and Büttner, 2008). Selfcontrolled learning infers a bunch of three qualities, which are methodical examples of considerations, activity, and sentiments coordinated at accomplishment of individual learning objectives. A self-controlled student is one who makes scholastic progress through deferred delight, who has created scholarly character, who screens input on their own exhibition, who defines objectives, who has assumptions concerning his/her own presentation comparable to the settings of assignments, who keeps up concentrate paying little heed to interruption and who aces scholarly difficulties utilizing self-verbalization, development and decision applying fitting devices and techniques.

The Importance of Self-coordinated Learning through Self-Assessments:

Self-coordinated learning is imperative to every day learning in the study hall. Self-coordinated learning incorporates self-impression of understudies' own exhibitions, which necessitates that understudies have a particular arrangement of abilities to coordinate their own acquiring. These set abilities are not characteristic, and in this way should be instructed to understudies in the homeroom. In a self-coordinated learning study hall, understudies are educated regarding the prerequisites and are directed to finish the undertakings through input from the instructor. Reflection reports and criticism are essential in this kind of learning (Kicken et al., 2009). Improvement portfolios, with an attention on the learning cycle, are brimming with progress reports, and reflections and are utilized for developmental evaluation purposes. Antiquities that show development over the long run can be utilized to create abilities, and this is the place where the understudy's advancement starts. In self-managed learning, understudies become more productive in deciding their own adapting needs. More examinations have tracked down that self-directed learning decidedly affects understudies' scholastic presentation (Dignath and Büttner, 2008). With the goal for instructors to have the option to encourage self-directed learning, more data should be given to educators about how to execute this sort of learning in their own homerooms. This constructivist model of learning cultivates a more dynamic part in understudy learning, as opposed to a receptive job, where educators use information that has effectively been covered and afterward proceed onward without rolling out any instructional improvements. Understudies who are effectively occupied with their own learning are seen as psychologically roused what's more, dynamic members in their own learning.

Self-directed learning can be found in three distinct structures. It could happen in insight, metacognition, and inspiration/influence. Insight is worried about various intellectual techniques, applied learning, and execution on an errand that alludes to enlightening preparing. Metacognitive procedures are utilized to control and manage perception. In conclusion, inspiration and influence fret about all persuasive convictions about oneself identified with that particular assignment (Dignath and Büttner, 2008). It has been tracked down that these kinds of checking abilities start as right on time as 4 years of age and create through the age of 16. Initially, these abilities accept structure as traditional repetition review at the youthful age of 4, while they are additionally evolved at age 11 and 12, and can be utilized by understudies to manage their own learning. As youngsters become progressively mindful of their own reasoning, they grow more techniques to screen their learning. With the goal for understudies to completely build up their self-managed learning, criticism is important. The impact was discovered to be more prominent when input was given, just as when understudies were assuming responsibility for the learning interaction

The Impact of Self-Assessment on Performance:

Self-assessment has been discovered to be an amazing instructive apparatus for learning. Understudies are urged to take part in a legitimized, explained, and deliberate cycle that supports learning. The understudies take responsibility for learning. Taking an interest in self-assessment forestalls unreasonable decisions. Understudies are additionally more profoundly energetic and connected with when they comprehend the rules and norms. Through investment

in this collective local area, understudies are more helpful and ready to peer assess and uphold each other's learning. Self-evalu has been found to significantly affect understudies' exhibition in the homeroom. Evaluation includes two between related exercises. To begin with, there is an improvement of information and an enthusiasm for the suitable principles which might be applied to some random work. Understudies learn something and understand what considers great work. Second, there should be an ability to make decisions about whether the work included does or doesn't satisfy these set guidelines (Kicken et al., 2008).

By understudies partaking in their own learning, and accordingly understanding this information, they are prepared to do then surveying in the event that they satisfied the guidelines of learning. Examination has shown that homeroom based appraisal proposes that understudy learning and higher errand execution are accomplished by giving undertaking focused criticism to understudies. Understudies evoke conversation through their tasks and conversations. The instructor assembles proof during this season of progress towards the objective (Sato, Wei, and Darling-Hammond, 2008).

Moreover, there has been an impressive premium in understanding and propelling proof based practices that encourage, approve, and uphold the contribution of understudies with psychological incapacities in fulfilling guidelines of learning inside the overall schooling study hall. By advancing self-assurance as a methods for fulfilling these adapting needs, more understudies can successfully advance in the overall schooling study hall. By training critical thinking abilities, dynamic, and self-coordinated learning methodologies, more understudies can gain ground inside the norms of learning. By instructing objective setting, dynamic, and decision making, understudies are learning the parts of self-coordinated learning and selfdecided conduct. There has been a set up writing base for approving the impact that training these parts has on understudies with intellectual incapacities. Understudies with intellectual incapacities can figure out how to coordinate their learning and guidance with regards to learning inside an overall schooling homeroom. It is fascinating to take note of that there have been examines finished that discovered understudies with intellectual handicaps didn't make similar additions in independent study halls as they did inside broad schooling homerooms with same age peers. For instance, one examination was done in a center school where they showed five center school understudies a particular arrangement of learning practices to be shown every day during their learning. These practices were classified "study hall basic instincts". These practices included being in class when the ringer rang, having suitable materials for picking up, welcoming the instructor and different understudies, posing and noting inquiries, sitting upright and taking a gander at the educator and different understudies when they offered remarks, and utilizing an organizer. Positive practices were noted during the examination just as a positive changes in their learning. In a comparative investigation of four secondary school understudies, they showed the understudies to set objectives, screen their work finishing, and assess their exhibition towards their objectives. Upgrades were noted for all understudies. (Agran, Wehmeyer, Cavin, and Palmer, 2008). A self- coordinated learning homeroom has been appeared to engage understudies with more prominent independence, set up a more sure methodology, increment accomplishment, and to all the more likely assist

educators with recognizing what a student knows and needs to in any case learn (Colby-Kelly &Turner, 2007).

3. Research Methods:

The purpose of this study was to investigate whether or not self-assessing and self- directing learning would have an impact on academic achievement for students in a third grade math classroom.

3.1 Research Design:

The study consisted of a quasi-experimental study of the acquisition of English skills. A pretest and posttest was given to the learners. The study took place over 8 weeks. The independent variable in this study was teaching strategies for self-assessment that the students will receive in the third grade math class. The entire class will receive one self- assessment strategy.

3.2 Participants:

The study was conducted in a third grade classroom in Lahore. This classroom is heterogeneous and consisted of 30 students. The students were from middle class to upper class families. Eleven of the students were males and nineteen students were females. Within this group there were advanced learners, average learners, and special education students with various needs.

3.3 Instrument:

The Pre and Posttest were used in this study. The teacher compared their performance from the fall test to the winter test.

To ensure test reliability, validity, and fairness across all populations tested, the NWEA Research team regularly conducts a variety of studies and analyses such as: pool depth analysis, test validation, comparability studies, and Differential Item Functioning Monitoring item quality to ensure that functioning remains constant across subgroups of students when ability is controlled.

3.4 Procedure:

The understudies were given a pretest for units 3, 4 and 5 toward the start of the unit. This comprised of six inquiries. This equivalent pretest was given at the summit of every unit. The instructor gave each pretest preceding educating. At that point the educator gave the equivalent pretest as a post test. The educator set the understudies into gatherings. Inside the homeroom there were three complete gatherings of understudies. Each gathering was given similar self-assessment before the units of English were instructed. Toward the finish of every unit, a summative appraisal was given to decide their accomplishment inside every unit of numerical investigation. Each gathering was evaluating their scholastic presentation during the units of study and deciding whether they required more re instructing, more expertise practice, or challenge endless supply of every day exercises. Inside the study hall, there are additionally two different educators who help convey day by day guidance because of the gathering and the size of the class. Therefore, understudies were gathered by their own self evaluations and their day by day execution inside the day's exercise. In little gathering math, the educators further built up their capacity to self-survey their exhibition inside the study hall.

Each gathering was shown a similar technique every week. Since, there were three gatherings of understudies, the instructor showed one entire gathering procedure and three individual methodologies. These individual methodologies depended on their capacity to self-evaluate about their scholastic presentation and afterward make changes in their every day execution by searching out re instructing, expertise reiteration, or testing work.

At the perfection of every day's exercise, the educator gave a leave ticket, which the understudies used to self-survey their exhibition. This self-assessment framework coordinated with their entire gathering appraisal methodology. It is shading coded. Red signifies "No" I didn't get the present exercise and need help with another technique or more practice, blue signifies "Not certain" I need the instructor to review my work and give me individual input about if I am in good shape. Yellow signifies "Nearly" I think I need some more practice to feel unequivocally about it, however I think I am nearly there. Green signifies" Got It!" I figure I progressed nicely and I am prepared to apply this ability to a really difficult piece of work or use of this expertise. Green can likewise imply that the understudy feels that they can mentor another person in the class who is experiencing difficulty.

4.RESULTS:

This study was designed to determine if self-assessment strategies and self-directed learning methods impacted student's academics for the third grade math class. The analysis of the Fall and winter scores revealed a significant difference of t(29)=-9.79, p<.05. During the research, the researcher found that students were responding to theintervention. When Fall MAPP test results were compared to Winter MAPP test results, therewas a significance difference of t(29) = -9.79, p<05. The mean of the test Fall score was186.76, which increased to a 196.03. The intervention had a significant result on student performance. Therefore, the null hypothesis is rejected. In addition to the pretest, three tests were given throughout the course of the study. The first pre-test was given on February 8, 2016, and the mean score was 1.06, which significantly increased on the posttest, to 3.88, t(29) = -13.02, p<.05. The second pretest wasgiven on March 16, 2016, with a mean score of .133, which significantly increased to a 3.72 on the posttest, t(29)= -16.6, p<.05. The third pre-test was given on April 19, 2016, with a mean score of .90, which significantly increased to 4.06 on the posttest, t(29)=-14.83, p<.05.



Table 1: Fall and Winter test scores

4.1. DISCUSSION:

The invalid theory that self-assessment and self-coordinated learning would no affect understudy scholastics was not upheld. The outcomes showed a huge change in understudy's scholastic scores on posttests. There were critical contrasts in the fall and Winter MAPP tests, just as the pre-test and posttests adhering to guidance on self-assessment methodologies. Due

to there being a critical change in the pre-test and posttest results, there meant that the mediation was the reason for the result on understudy's presentation. Because of this huge change in the outcomes, the invalid speculation is dismissed.During the Black Box concentrate in 2010, Wiliam and Black found that understudy's presentation was improved when they were given direct criticism about their work. This upgraded input permitted understudies to turn out to be more engaged with their own learning. As understudies turned out to be more included, they turned out to be more mindful of their own advancement and more headed to deal with their own to meet objectives for learning. Appraisal was discovered to be a help, and affected their general confidence thus. Understudies felt more certain to face challenges, and more development happened because of self-assessmentand self-coordinated learning. As well as positively affecting learning, understudies who were in danger started to score better on appraisals and made a larger number of gains than different gatherings of understudies who were not as low performing. Incessant appraisal criticism extraordinarily affected understudies generally speaking execution inside the homeroom. By being occupied with their own learning, understudies were more headed to take part in their general learning. This thusly reinforced their scores on developmental assessment. Understudies as youthful as five and as old as undergrad age, had the option to show huge increases on developmental evaluations after participating in self-surveyed and self-coordinated learning models inside a homeroom. During this examination, they found that understudies were straightforward about their presentation and were regularly harder on themselves than their companions were. During the Black Box Study, the specialists found that understudies were simply ready to evaluate their advancement in the event that they had a reasonable, unequivocal comprehension of the learning objectives. Understudies should be prepared in how to selfevaluate their own work to speak the truth about their advancement towards objectives also. During the guidance, the instructor should pick clear assignments that further understudy's abilities to self-survey and direct their own learning. Not exclusively does the instructor need to make significant undertakings, the educator should likewise tune in to discussions by understudies, mark work reliably, and give significant criticism to additional the understudies' comprehension of their advancement towards learning objectives. During the investigation, the scientist noticed the significance of the educator hushing up during work time. Posing such a large number of inquiries or giving an excess of data prevents the understudies from deduction all alone. All things considered, the understudies addressed each other about their musings and thoughts, imparted their work to their group or shared gathering, or reflected so anyone might hear what they had realized. By the educator making a stride back, understudies were more answerable for their work. This cycle evoked insightful impression of the understudies meeting learning objectives. The instructor is there to give direction about the amount of the objectives has been met with significant criticism. The analyst tracked down that this was for sure obvious. As the investigation was done in the 3rd grade homeroom, the analyst found that understudies reacted when direct criticism was given, just as selfassessments happening consistently.

Connections to Previous Studies:

The Wiliam and Black 2010 investigation showed that self-assessment and self-coordinated learning would affect understudy's scholastic exhibition. In a comparative report done by Wiliam and Black, results showed that the educating of self-assessments just as self-coordinated learning systems would yield more grounded scholarly execution on every day learning goals just as developmental evaluations. The specialist finished a similar report in 3rd grade. The class was given a self-assessment system and they were given direct criticism consistently about their exhibition, just as given pre-test and posttest. What's more, understudies were additionally given the fall MAPP and winter MAPP test to decide their advancement. The scientist followed a similar class rules and hushed up during work time and

cautious not to ask too many driving questions that would redirect understudies from making their own evaluations of their learning for the afternoon.

Suggestions for Further Research:

While this examination showed a huge effect on scholarly execution, it is essential to proceed with exploration of additional effect on understudy's scholastic exhibition. Different investigations have yielded results that demonstrate instructing metacognition inside the homeroom can affect understudies' presentation also. As instructors try to include understudies increasingly more in their learning, an investigation of assets that would assist the educator with picking a self-coordinated learning technique would be useful. There are numerous techniques to show self-assessment just as self-coordinated learning. It is significant as an instructor to know which ones have demonstrated to be more successful in yielding self-educated, self-evaluating, exceptionally energetic understudies. Self-assessment is getting increasingly more significant in a homeroom climate that is profoundly thorough, just as tweaked. An insight review of how understudies and educators feel about self-assessment just as self- coordinated learning may demonstrate which techniques understudies and educators feel about self-assessment just as self- coordinated learning may demonstrate which techniques understudies and educators feel about self-assessment just as self- coordinated learning may demonstrate which techniques understudies and educators feel about self-assessment just as best. It might likewise uncover patterns in understudy execution concerning their impression of their exhibition too.

Conclusion:

This research investigated the importance of Self-assment's impact and it was explored that and self-coordinated learning techniques can be educated. As they are educated and observed, they can decidedly affect understudy execution. The outcomes revelead easily that the importance of self assessment is undeniable as it provides numerous outcomes and positives for the educators. Learners and test makers.

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171

1/1

<u>50</u>