

**THE ROLE OF INTERNATIONAL ASSESSMENT PROGRAMS IN ENHANCING THE
CREATIVITY OF PRIMARY STUDENTS**

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Abstract : This in the article international assessment systems in students creative thinking in formation Instead , their STEAM approaches with connection and this the process start class at the level how done increase possibility seeing will be released .

Keywords : International assessment program, TIMSS, PISA, STEAM approach , creative thinking , symmetry .

Annotation: This article examines the role of international assessment systems in shaping creative thinking in students, their connection to STEM approaches, and how this process can be implemented at the elementary school level.

Keywords: Program for International Assessment, TIMSS, PISA, STEM approach, creative thinking, symmetry.

Today globalized and fast information exchange dominant was in the period from students only ready memorization of knowledge not , maybe him/her by hand to get , problematic to situations creative solution find , alternative thinking and critical approach etc. are required . This view from the point of view in short , international assessment of programs role grass important importance profession Because they of the students not only knowledge level , maybe his/her how used in real life It also assesses the competencies of the outside student 's one in place stiff without leaving , himself development and creativity to increase help Especially , such as PISA, TIMSS and PIRLS assessment systems modern student 's every one-sided thinking skills to determine This article is aimed at international assessment systems in students creative thinking in formation instead , their STEAM approaches with connection and this the process start class at the level how done increase possibility seeing is released .

International assessment programs education quality and effectiveness , students ' to knowledge based thinking level determination for the purpose world on a scale They are held . between the most celebrities are :

PISA (Programme for International Student Assessment) is 15 years old of the students winter literacy , mathematics and sciences according to knowledge in practice by hand to take skills evaluates .

TIMSS (Trends in International Mathematics and Science Study) 4th and 8th grade students mathematics and natural sciences according to knowledge and them by hand to take potential analysis does .

PIRLS (Progress in International Reading Literacy Study) students the text understanding , analysis to do and meaning release abilities determines .

This programs student 's not only knowledge maybe knowledge based on right decision acceptance to do , the problem to solve was approach , its critical and creative They also evaluate their thinking . among To TIMSS stopped passing This is an assessment . program within of the students creativity encourage and increase possible .

TIMSS Mathematics and Science sciences according to literacy in determining simple from formulas except for the student the solution interpretation , from the graph conclusion release , real life in the situation mathematics application such as assignments also presented Through this student not only calculation does , maybe himself/ herself independent road For example , TIMSS some in questions student water spending determines , economic or ecological decision acceptance does . This is by itself creativity , analytical thinking , problem new approach said competencies assessment opportunity gives .

Practical example : 4th grade math STEAM assignment in class

Below cited The task is TIMSS content. suitable in a way created divided into 4th grade students for intended for :

Assignment Name : Symmetric city model let's make

Task Content : For students central symmetry based on new city model drawing Each object (buildings , trees , streets) is symmetrical . to the center relatively right placement condition

STEM integration :

S (Science) : Urban ecology , green territories and transport roads about briefly concept is given .

T (Technology) : Students paper , colored pencil , ruler , model from materials they use .

E (Engineering) : Urban design layout , layout build , drawing from every detail effective use .

A (Art) : Art

M (Mathematics) : Symmetry concept of objects each other distance measurement , coordinates with work

Result :

This is an assignment . through student only symmetry learning He/ She:

O'z city how to build plans (creative) decision),

Each element where to placement thinks (analytically) opinion),

Visual aesthetics creates (design) ability),

O'z his/her opinion based on give takes (creative expression).

Start drinking class in the phase creativity formation of the students next education in stages successes for foundation will be . International assessment programs in the content education results only knowledge level with not , maybe knowledge in practice application , problematic in situations new solution find , creative thinking such as competencies with is measured .

Therefore, this of programs criterion and methodologies national study to programs integration to do It is necessary .

Start drinking in education international assessment elements current to grow from the teachers new requires an approach . In the lessons open kind of questions , research in character assignments , creative records , project affairs through in students independent thinking , analysis to do , evidence to bring and own point his/her opinion protection to do skills is formed . With this together , students their interests support , positive psychological environment creation and creativity development important is a factor .

Conclusion instead of this to say maybe modern from the student more thing demand is done : he knows need to understand necessary , and most importantly — thoughtful to receive International assessment and the programs are exactly so thinker the student to determine service STEAM - based lessons , especially start from the stage starting with the students creative , independent and complex to think Therefore , students creativity in increasing international assessment to programs based , integrated approaches big importance has , international assessment programs not only education quality measurement tool , maybe of the students creative potential in promotion methodical direction as also big importance They have . using teacher own activity international criteria based on evaluates , education process to the student directed in a way organization will and creative , independent thinking person upbringing to the possibility has It will be .

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