

# **The Impact of Using Smart Learning Environment in the Sixth Grade Students in the Development of Mathematical Thinking & Readiness for Self-Learning in the Directorate of South Hebron**

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## **Abstract**

The aim of this study is to demonstrate the impact of using the intelligent learning environment in the sixth graders students regarding the development of mathematical thinking & readiness for self-learning in the Directorate of South Hebron. This study was applied in the first semester of the academic year (2018/2019), on a target sample consisting of (110) students. The sample was distributed to two experimental sections (56) students, & was taught using a smart learning environment. In addition, this study was applied to a non-experimental sample that was divided into two groups of (54) students & studied using the conventional method. The study lasted four weeks.

The researcher developed two tools: (Mathematical thinking test, self-learning readiness scale), the data were then statistically analyzed using (ANCOVA).

The study showed the effect of using intelligent learning environment in the development of mathematical thinking & readiness for self-learning, As a result of the teaching method, which is in favor of the experimental group, the study also revealed the absence of any effect on the gender variable as well as the interaction between the method & gender of students.

Based on the results of the study, the researcher emphasizes the need to employ the use of smart learning environment in the teaching of mathematics. The researcher also recommends further research & studies that explore the use of intelligent learning environment in other similar studies.