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ΟΙ ΓΝΩΣΤΙΚΕΣ ΚΑΙ ΜΕΤΑΓΝΩΣΤΙΚΕΣ ΙΚΑΝΟΤΗΤΕΣ ΤΩΝ ΜΑΘΗΤΩΝ ΜΕ ΕΙΔΙΚΗ ΜΑΘΗΣΙΑΚΗ ΔΙΑΤΑΡΑΧΗ ΣΤΑ ΜΑΘΗΜΑΤΙΚΑ

THE COGNITIVE AND METACOGNITIVE ABILLITIES OF STUDENTS WITH SPECIFIC LEARNING DISORDER IN MATHEMATICS

της

Χατζηβασιλείου Παναγιώτας

Μεταπτυχιακή διατριβή που υποβάλλεται
Στην τριμελή επιτροπή για την απόκτηση του μεταπτυχιακού τίτλου του
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ΠΕΡΙΛΗΨΗ

Η «Ειδική Μαθησιακή Διαταραχή στα Μαθηματικά» ή αλλιώς Δυσαριθμησία είναι μια μαθησιακή διαταραχή που επηρεάζει τις μαθηματικές ικανότητες ορισμένων μαθητών με επιπολασμό 5-8% παγκοσμίως. Η δυσκολία των μαθητών δε σχετίζεται με τη νοημοσύνη ή το φτωχό οικογενειακό περιβάλλον και εντοπίζεται στον τομέα των μαθηματικών. Οι μαθητές αυτοί παρουσιάζουν ιδιαίτερη δυσκολία με τις μαθηματικές έννοιες και ποσότητες. Παράλληλα, η κατηγορία αυτή των μαθητών παρουσιάζει ελλείμματα στις γνωστικές και μεταγνωστικές ικανότητες, κάτι που δυσχεραίνει την επίδοση τους σε μαθηματικούς τομείς όπως η επίλυση προβλημάτων. Η έρευνα έχει δείξει ότι η ανάπτυξη των γνωστικών και μεταγνωστικών ικανοτήτων των μαθητών αυτών, μπορεί να συμβάλει στην καλύτερη επίδοση τους. Επιπρόσθετα, έχει φανεί ότι η ανάπτυξη των μεταγνωστικών ικανοτήτων της αυτό-παρατήρησης και της αυτό-ρύθμισης μπορεί να βοηθήσει συναισθηματικά τους συγκεκριμένους μαθητές, οι οποίοι συχνά χαρακτηρίζονται από μειωμένη αυτοπεποίθηση και αυξημένο άγχος για τα μαθηματικά. Η παρούσα εργασία μελετά τις γνωστικές και μεταγνωστικές ικανότητες των μαθητών με Δυσαριθμησία και παρουσιάζει τη θετική επίδραση της ανάπτυξης τους στη μαθηματική τους επίδοση. Τέλος, παρουσιάζει συγκεκριμένα εργαλεία αξιολόγησης που έχουν δημιουργηθεί από τους ειδικούς για τη μέτρηση των γνωστικών ικανοτήτων των εν λόγω μαθητών, καθώς και του επιπέδου μαθηματικής Μεταγνώσης που κατέχουν.

ΛΕΞΕΙΣ ΚΛΕΙΔΙΑ:

γνωστικές και μεταγνωστικές ικανότητες, αυτορρυθμιζόμενη μάθηση, Ειδική Μαθησιακή Διαταραχή στα Μαθηματικά, άγχος για τα μαθηματικά, κονστρουκτιβισμός

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