

Πρόγραμμα Μεταπτυχιακών Σπουδών Εξειδίκευσης
του Τμήματος Ελληνικής Φιλολογίας του Δημοκριτείου Πανεπιστημίου Θράκης
σε συνεργασία με το
ΕΚΕΦΕ Δημόκριτος- Ινστιτούτο Πληροφορικής και Τηλεπικοινωνιών
με τίτλο: «Εξειδίκευση στις Τ.Π.Ε. και Ειδική Αγωγή-Ψυχοπαιδαγωγική της ένταξης»

**Αξιοποίηση των ΤΠΕ στη διδασκαλία των Μαθηματικών σε παιδιά με
Δυσαριθμησία**

**Utilization of ICT in the teaching of Mathematics to children with
Dyscalculia**

του

Πατεράκη Στυλιανού

Μεταπτυχιακή διατριβή που υποβάλλεται

Στην τριμελή επιτροπή για την απόκτηση του μεταπτυχιακού τίτλου του
Προγράμματος Μεταπτυχιακών Σπουδών Εξειδίκευσης
Του Τ.Ε.Φ.-Δ.Π.Θ. σε συνεργασία με το Ε.Κ.Ε.Φ.Ε. Δημόκριτος-Ινστιτούτο
Πληροφορικής και Τηλεπικοινωνιών
Με τίτλο: «Εξειδίκευση στις Τ.Π.Ε. και Ειδική Αγωγή-Ψυχοπαιδαγωγική της Ένταξης»

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Αθήνα

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ΠΕΡΙΛΗΨΗ

Διανύοντας τον 21^ο αιώνα είναι αναμφίβολα έκδηλη η ιδιαίτερη ανάπτυξη και εξέλιξη που έχει λάβει χώρα στη χρήση των Τ.Π.Ε. (Τεχνολογίες Πληροφοριών και Επικοινωνιών) στο πλαίσιο της εκπαίδευσης των μαθητών με ειδικές εκπαιδευτικές ανάγκες, συμπεριλαμβανομένου και των μαθησιακών δυσκολιών. Η παρούσα εργασία αποτελεί ένα εγχείρημα να μελετήσει μέσα από τη βιβλιογραφική αναδίφηση και τη συλλογή επιστημονικών δεδομένων από διακεκριμένες μελέτες, τη συμβολή που δύναται να έχει η αξιοποίηση των Τ.Π.Ε. και συγκεκριμένα των εκπαιδευτικών λογισμικών και εφαρμογών που είναι διαθέσιμα στο διαδίκτυο, σε ηλεκτρονικούς υπολογιστές, σε κινητά τηλέφωνα και tablets κατά τη διδασκαλία μαθητών με Δυσαριθμησία. Βάσει των ευρημάτων από τις έρευνες που μελετήθηκαν η αξιοποίηση των ποικίλων εφαρμογών των Τ.Π.Ε. σε μαθητές με Δυσαριθμησία και ευρύτερες δυσκολίες στα Μαθηματικά έχει πολλαπλά οφέλη για τη βελτίωση των επιδόσεών τους και της κατανόησής τους στο εν λόγω μάθημα, όπως και για την γενικότερη συμμετοχή τους στην μαθησιακή διαδικασία. Ως εκ τούτου, μελλοντικά οι Τ.Π.Ε. θα μπορούσαν να αποτελούν αναπόσπαστο μέρος της παγκόσμιας εκπαιδευτικής διαδικασίας τόσο στα σχολεία Γενικής όσο και Ειδικής Αγωγής.

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