FIRST STEPS IN CODING
through mathematical, game-based learning

In this workshop, both in-person and virtual, participants will embark on a journey from **Concrete to the Abstract**, delving into the understanding of coding through a **3-stage process** (refer to video below). Participants are given entry points regardless of ability level.

In the **Concrete Stage**, participants will make predictions, code the KaiBot, and learn from their mistakes. Moving to the **Abstract Stage**, a virtual KaiBot on the computer screen becomes accessible to all, allowing us to code the robot to solve mazes, explore mathematics and delve deeper into coding concepts.

Attendees are given lessons aligned with K to 5 curricula, making this workshop suitable for **Parents, Students, Teachers from K to 5 and beyond.**
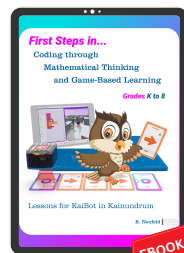
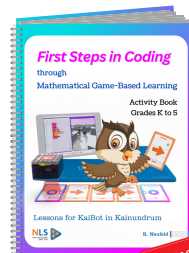Workshops present a **3-Stage Process** .. (click on the video)
- Stage One ... Concrete Stage - The Feel for Coding
- Stage Two ... Transition from Concrete to Abstract
- Stage Three ... Abstract Stage - Block Coding to Python

- Correlated with CSTA / TEKS / Ontario Coding Curricula

Startup Package
- Includes everything to get started
- **KaiBot, Coding cards, KaiTiles**
- **Grade-based** lessons and activities

Teacher Resource **EBOOK** Student Activity **PAPERBACK** + **SHOP**

First Steps in...
Coding through
Mathematical Thinking
and Game-Based Learning
Grades K to 8
Lessons for KaiBot in Kaimundrum
R. Neufeld

First Steps in Coding
through
Mathematical Game-Based Learning
Activity Book
Grades K to 5
Lessons for KaiBot in Kaimundrum
R. Neufeld

Math & Coding Sessions

Understanding Math
Video on version X
Version XI coming soon

Launch a Lesson   Search UMathX
- Content Menu   View My Results
- Curriculum Menu   Do a Test
  - Common Core   View a Framework
  - Ontario Expectations
  - Texas TEKS   Help Me Get Started
  - Florida Standards
  - Virginia SOLs
  - WNCP Curriculum

APRIL

District sessions in Michigan and Indiana	APRIL 3 - 4
Great HomeSchool Conference in Cincinnati, Ohio	APRIL 4 - 6
District sessions in Regina, Saskatchewan	APRIL 8

MAY

OAME Conference in Kingston, Ontario	MAY 2 - 4
FPEA HomeSchool Conference in Orlando, Florida	MAY 23-25

JULY

Great HomeSchool Conference in Round Rock, Texas	JULY 11-13
CAMT Conference in Houston, Texas	JULY 15-17

PRESENTED BY

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Sr Author/CEO

Virtual Session:
First Steps in Coding
Join Rudy for a demo, training online or book a personal session.
Email Rudy at
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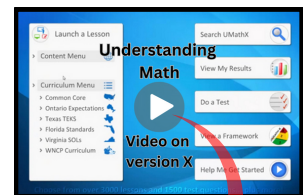
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