How to Teach Mathematics and Make Adaptations Within a Data-Based Individualization Framework

**Data-Based Individualization – Explicit Instruction – Multiple Representations**

**Abstract**
- Pictorial
- Concrete

**Concrete**
- Mathematized
- Familiarized
- Distracterized

**Pictorial**
- Visualized
- Symbolized
- Analogized

**6 Instructional Adaptations**
- Implement with Greater Fidelity
- Embed Behavioral Supports
- Increase Dosage
- Adapts Mathematics Content
- Utilize Explicit Instruction
- Explicitly Teach for Transfer

**Strategies to Support Teaching Mathematics Virtually**

**Explicit Instruction**
- Virtual manipulatives

**Multiple Representations**
- Model in a video for asynchronous learning
- Model using a virtual whiteboard for synchronous learning

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