

	MAIN FOCUS	POTENTIAL POSITIVES	POTENTIAL NEGATIVES
ANCHORED INSTRUCTION IN JASPERS MATERIAL	Set of videos meant to engage learners in open-ended, collaborative tasks to reinforce Math concepts.	<ul style="list-style-type: none"> • Students collaborate to solve problems. • More than one possible answer makes accessible to all learners. 	<ul style="list-style-type: none"> • Students do not follow or understand the videos. • Students lack prior knowledge to solve questions. • If students get stuck on a problem and are unsure of how to proceed
SKI & WISE	WISE uses the SKI inquiry-based theory. It is a developed online platform which allows learners to learn at their own pace through a variety of online tools and instruction.	<ul style="list-style-type: none"> • Students work at their own pace • Students work within their zone of proximal development. • Different types of tasks that are suitable for different learning styles. 	<ul style="list-style-type: none"> • Students become disengaged with the amount of reading. • Students do not fully understand the content. • Misconceptions are not addressed.
LFU & MY WORLD	A pedagogical framework teachers use while planning for instruction. Students move through the model of 'Motivation, Knowledge instruction and Knowledge Refinement' to achieve conceptual understanding in the subject area.	<ul style="list-style-type: none"> • Students are motivated and engaged. • Students make connections to real-life • Student participate in self-directed learning. 	<ul style="list-style-type: none"> • Time consuming. • Hard to cover all curriculum outcomes in the same meaningful way.
T-GEM & CHEMLAB	A planning cycle for teachers to use continuously to plan learning engagements for students to build conceptual understanding.	<ul style="list-style-type: none"> • Builds on current knowledge and draws out misconceptions. • Students are encouraged to reflect on their own learning and rethink 	<ul style="list-style-type: none"> • Hard to understand students thinking through simulations. • Not suitable for all learners styles.
COMMONALITIES	<ul style="list-style-type: none"> - Inquiry-based - Foster collaboration - Flexible - Ongoing process - Allows teachers to gather formative assessment - Encompasses features from the constructivist learning theory 		