



Motivation Matters Secondary Math

□ Personal Affect & Interests

- _____ Have students set math goals or complete self-assessments
- _____ Review and revisit the self-assessment & goals with individual students periodically
- _____ Use timely topics or areas of interest within lessons, examples or activities
- _____ Be enthusiastic
- _____ Spark curiosity for math concepts, topics, and problems

□ Personal Connections & Competence

- _____ Prime background knowledge of concepts with the use of cognitive organizers: KWL, Concept Maps, Guided Discussion & Advance Organizers
- _____ Ensure students have any needed entry vocabulary & skills (or scaffolds) to be successful with lessons, activities, & materials
- _____ Provide access to math supports when students are having difficulty
- _____ Provide on-going feedback on progress
- _____ Use active versus passive learning techniques (discussion, problem solving, grouping, student interactions, etc.)

□ Real Life Connections & Applications

- _____ Provide rationale and examples of real life applications of math topics
- _____ Involve students in authentic applications of math concepts
- _____ Utilize problem-based learning (PBL) applications
- _____ Invite guest speakers, assign interviews on use of applied mathematics in careers

□ Capitalize on Peer Power

- _____ Use cooperative learning techniques: partner (Think Pair Share; Link and Learn; Learning Together; PBL Groups; etc.)