

BELIEFS MATRIX	What do struggling students believe?	What problems are created by the belief?	What do successful students believe?
Omniscient Authority (All-knowing)	<ul style="list-style-type: none"> • Knowledge comes only from experts such as teachers or professors. • It is the professor's job to see that I learn. 	<ul style="list-style-type: none"> • Lack of critical thinking. • Reliance on professors, not own reasoning. • Sees no value in studying independently. 	<ul style="list-style-type: none"> • I'm responsible for my own learning. • Teachers and professors don't know everything about a subject. They are still learning. • I can learn from other students. • I can find information and learn on my own.
Certain Knowledge (Unchangeable)	<ul style="list-style-type: none"> • Knowledge does not change. • Every question has one right answer. 	<ul style="list-style-type: none"> • Frustration with complex problems. • Not open to new knowledge. 	<ul style="list-style-type: none"> • There are varied points-of-view. • Knowledge changes and evolves. • There can be more than one approach or right answer to every question.
Simple Knowledge (Information Bits)	<ul style="list-style-type: none"> • Knowledge is made up of bits of information. • Learning is a process of memorizing facts. 	<ul style="list-style-type: none"> • Sees no need to use learning strategies. • Overconfidence about knowledge of concepts. • No monitoring of understanding. 	<ul style="list-style-type: none"> • Knowledge has different levels. There is more to knowledge than facts. • It takes different strategies to learn at deeper and more complex levels. • It is important to understand, not just memorize.
Quick Learning (Fast-n-Easy)	<ul style="list-style-type: none"> • If a problem can't be solved quickly, it can't be solved. • If you fail once, you'll never get it. 	<ul style="list-style-type: none"> • Give up quickly if they don't understand. • Unwillingness to pursue difficult tasks. • Resistance to using learning strategies. 	<ul style="list-style-type: none"> • Time is required for understanding and application of the facts. • Learning is a process that may involve many steps, not a single event. • I may not get it the first time, but I will if I persist. • Learning involves struggling with concepts or ideas
Fixed Ability (Born Smart or Dumb)	<ul style="list-style-type: none"> • Born with the ability to learn - it is innate (you are born smart or you are not). • Cannot acquire the ability to learn. 	<ul style="list-style-type: none"> • See effort and use of learning strategies as futile. • Avoid academic obstacles. • Concern for grades not learning. 	<ul style="list-style-type: none"> • People have different styles of learning. • There are strategies to facilitate learning. • I can use strategies to be a more successful student. • I can increase my ability to learn

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