

# MINDSET + SKILLSET EDUCATION IN TANDEM



## ENTREPRENEURIAL MINDSET (The 3C's)

### CURIOSITY

In a world of accelerating change, today's solutions are often obsolete tomorrow. Since discoveries are made by the curious, we must empower our students to investigate a rapidly changing world with an insatiable curiosity.

### CONNECTIONS

Discoveries, however, are not enough. Information only yields insight when connected with other information. We must teach our students to habitually pursue knowledge and integrate it with their own discoveries to reveal innovative solutions.

### CREATING VALUE

Innovative solutions are most meaningful when they create extraordinary value for others. Therefore, students must be champions of value creation. As educators, we must train students to persistently anticipate and meet the needs of a changing world.

## + ENGINEERING SKILLSET

OPPORTUNITY	DESIGN	IMPACT
<b>Identify</b> an opportunity	<b>Determine</b> design requirements	<b>Communicate</b> an engineering solution in economic terms
<b>Investigate</b> the market	<b>Perform</b> technical design	<b>Communicate</b> an engineering solution in terms of societal benefits
<b>Create</b> a preliminary business model	<b>Analyze</b> solutions	<b>Validate</b> market interest
<b>Evaluate</b> technical feasibility customer value societal benefits economic viability	<b>Develop</b> new technologies (optional)	<b>Develop</b> partnerships and build a team
<b>Test</b> concepts quickly via customer engagement	<b>Create</b> a model or prototype	<b>Identify</b> supply chains distribution methods
<b>Assess</b> policy and regulatory issues	<b>Validate</b> functions	<b>Protect</b> intellectual property

## = EDUCATIONAL OUTCOMES



THESE SPECIFIC SKILLS REINFORCE THE DEVELOPMENT OF AN ENTREPRENEURIAL MINDSET

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