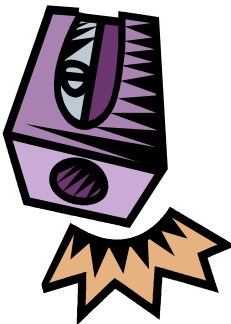

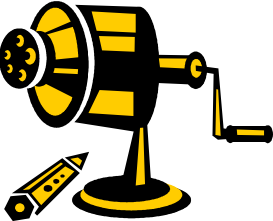


## Innovation and Entrepreneurship

How does this program teach innovation or entrepreneurship?

This program explicitly addresses innovation and entrepreneurship in a number of ways. First, there is an explicit focus on needs finding. Students must identify with characters in literature, and decide what opportunities might exist to help those characters. As such, the program is as heavily focused on the entrepreneurial skill of opportunity identification and assessment.

Second, because the program is heavily oriented toward the kinds of thinking skills that the engineering design process requires, it includes substantial emphasis on the kinds of thinking that lead to innovation. In particular, Teachers and students use divergent and convergent thinking processes and techniques (e.g., brainstorming, criteria-based idea selection) as they develop their ideas for how to respond to the needs of characters in literature. Finally, the design of the professional development workshop is meant to lead to curricular innovation. While participants will be introduced to various techniques and the framework, the participants will be responsible for designing their own projects, and will utilize innovation-oriented design techniques to do so.

	<p>Innovation: Taking a product and making it better or different to satisfy a need.</p>	<p>Goal: <b><i>Have students understand about innovation in products</i></b></p>
		<p>Going from turning one pencil around a fixed blade to having a set of blades turning around a fixed pencil. <i>Get better point and less breakage.</i></p>

See Video; in reference videos on home page

[http://www.integratingengineering.org/workbook/good\\_videos\\_08242011.htm](http://www.integratingengineering.org/workbook/good_videos_08242011.htm)

Tina Seelig: the crux of entrepreneurship (Vinod Khosla )