

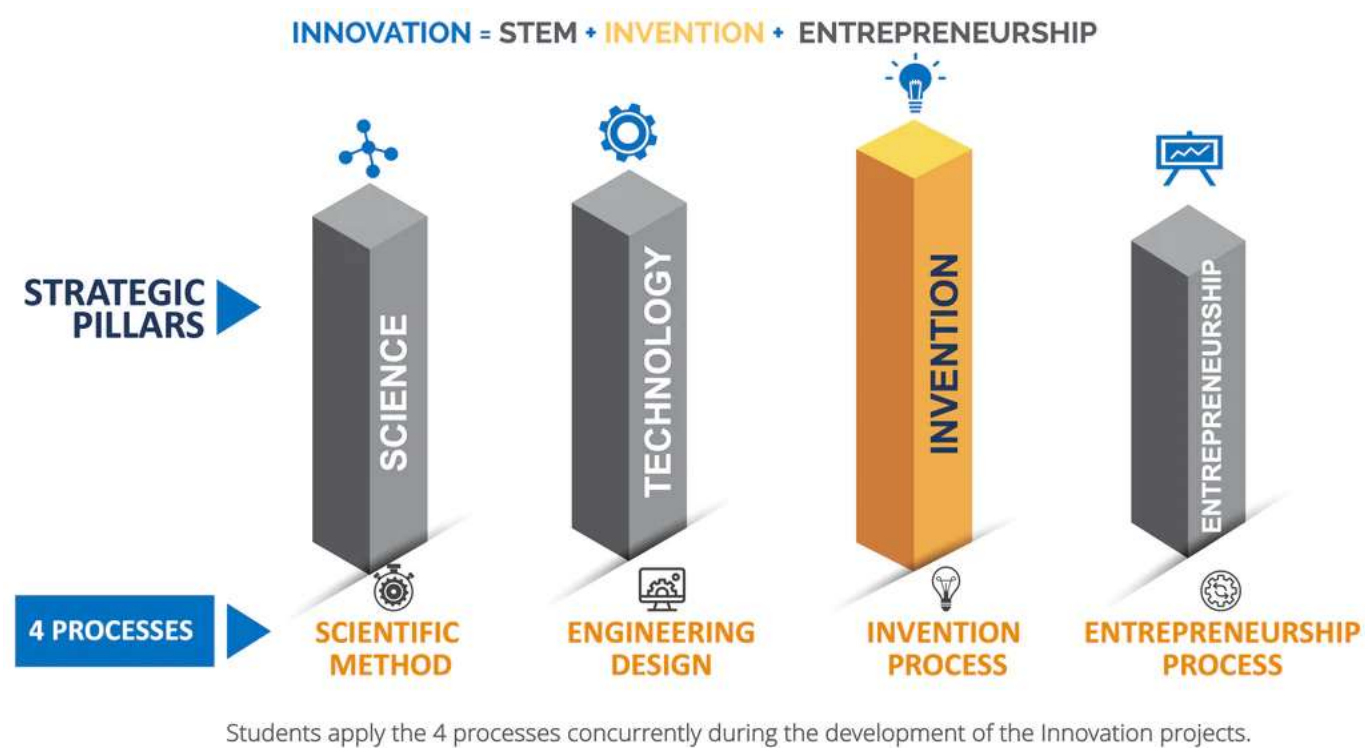
INVENTION-INNOVATION CURRICULUM

NOVUM BASED INVENTION-INNOVATION CURRICULUM

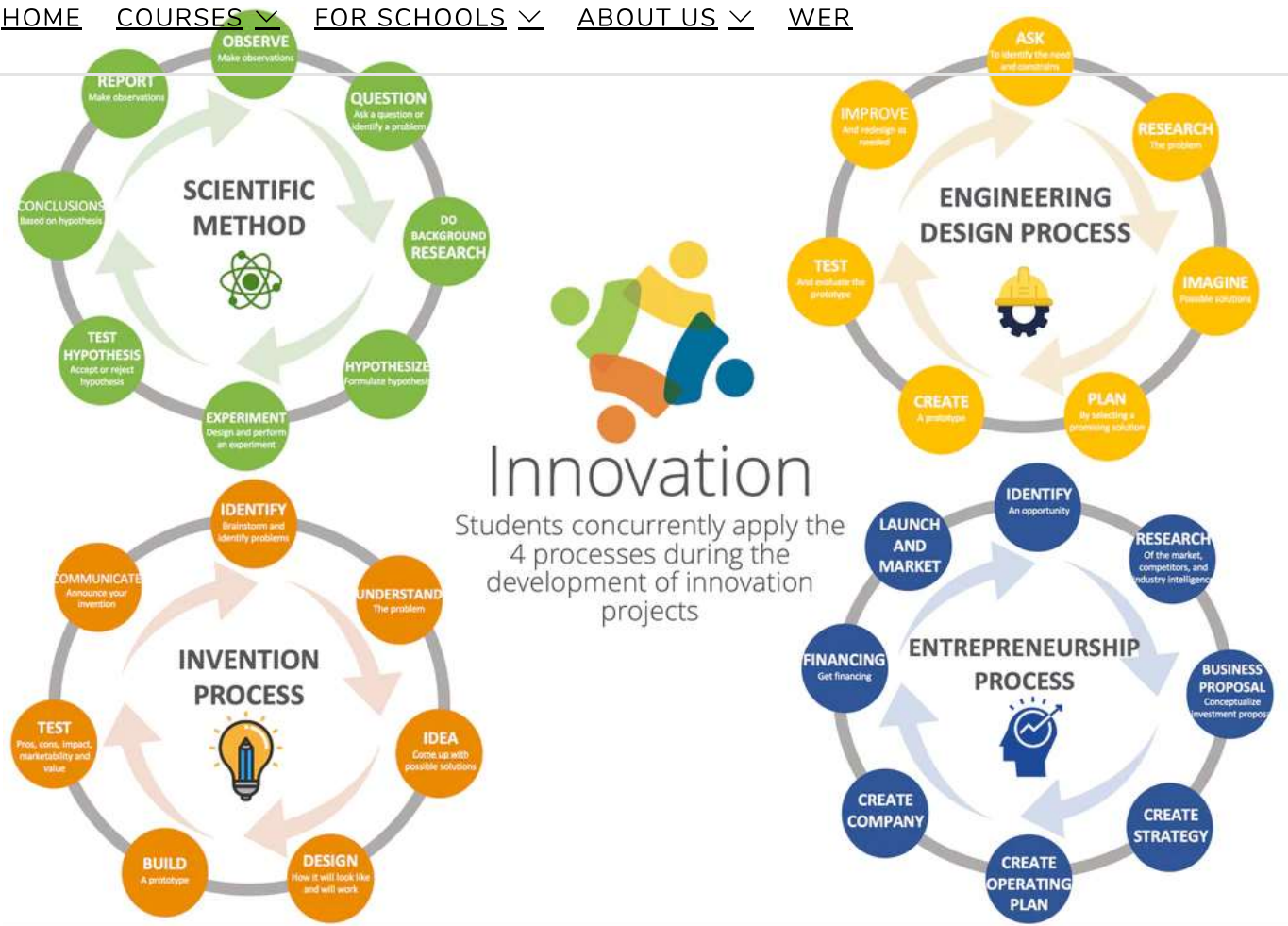
An innovative curriculum that integrates modern technologies and different methodologies to empower students to solve problems in the environment in which they live.

Invention-based education emerges as an important educational trend due to the large amount of knowledge, competencies, and skills that students acquire and/or develop when they take on the challenge of conceiving an invention.

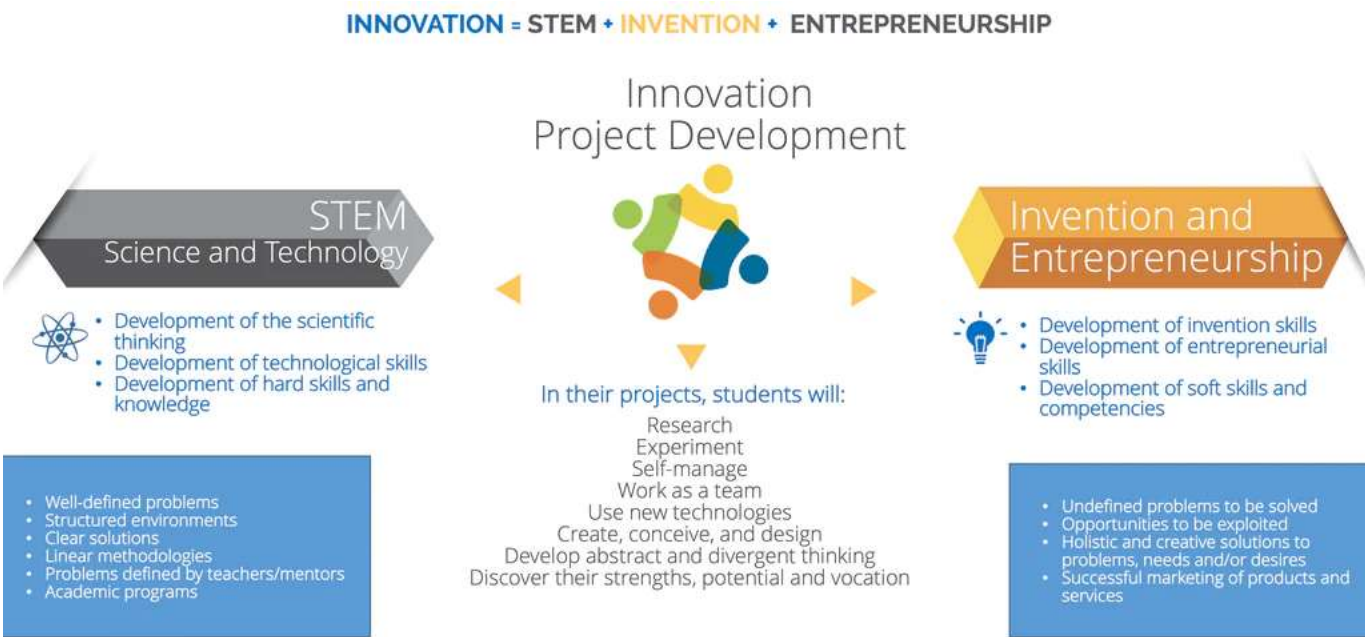
NOVUM INNOVATION DEVELOPMENT MODEL INNOVATION = STEM + INVENTION + ENTREPRENEURSHIP



Novum based Innovation-Invention Curriculum integrates four strategic pillars (science, technology, invention, and entrepreneurship) with their respective innovation processes (scientific method, engineering design process, invention process, and entrepreneurship process) in a self-directed and student-centered platform that provides students ownership in their learning and a significant and experiential learning experiences. Through our curriculum, we seek to provide a synergy of a physical and virtual environment where students are the organic actors and teachers become facilitators and collaborators.

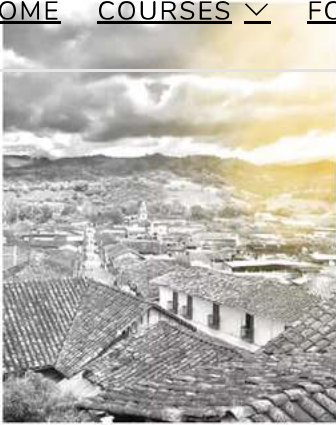


INNOVATION - PROJECT DEVELOPMENT



PROBLEMS TO SOLVE

With Novum Invention-Innovation Curriculum, students present invention projects created and developed by them to solve a problem of the environment in which they live or improve a current situation by using new technologies and applying the Novum Innovation Development Model.



ENVIROMENT

- Pollution and climate change
- Overpopulation
- Biodiversity loss



SELF-SUFFICIENT CITIES

- Water supply
- Food safety
- Renewable energies



HEALTH

- Hunger
- Diseases and pandemics
- Health services



SOCIAL

- Inequality and poverty
- Accessibility
- Education
- Discrimination



WELLNESS

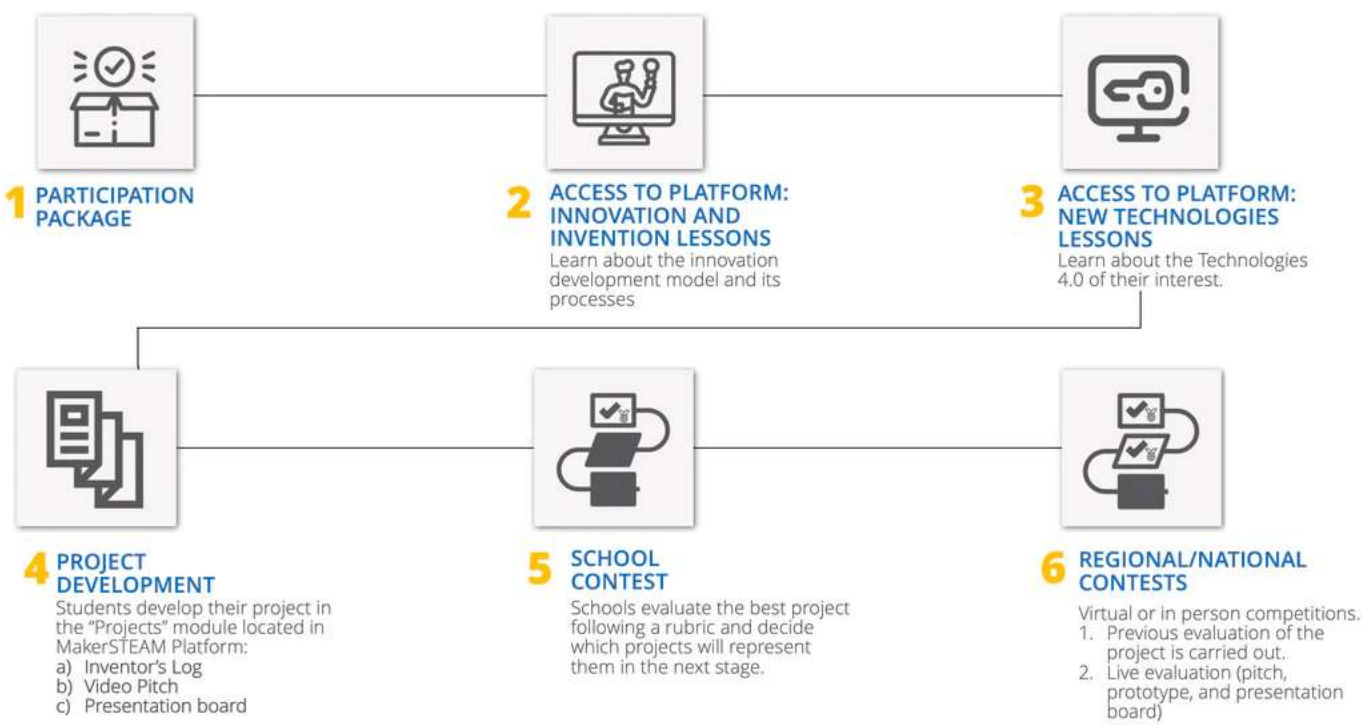
- Products for personal use
- Household products
- Ergonomics
- Aesthetic products
- Fashion and textiles



ECONOMY

- Products to generate personal, domestic, and business savings

HOW TO PARTICIPATE



CONTACT US FOR MORE INFORMATION : CONTACT@NOVUMEDU.COM

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