

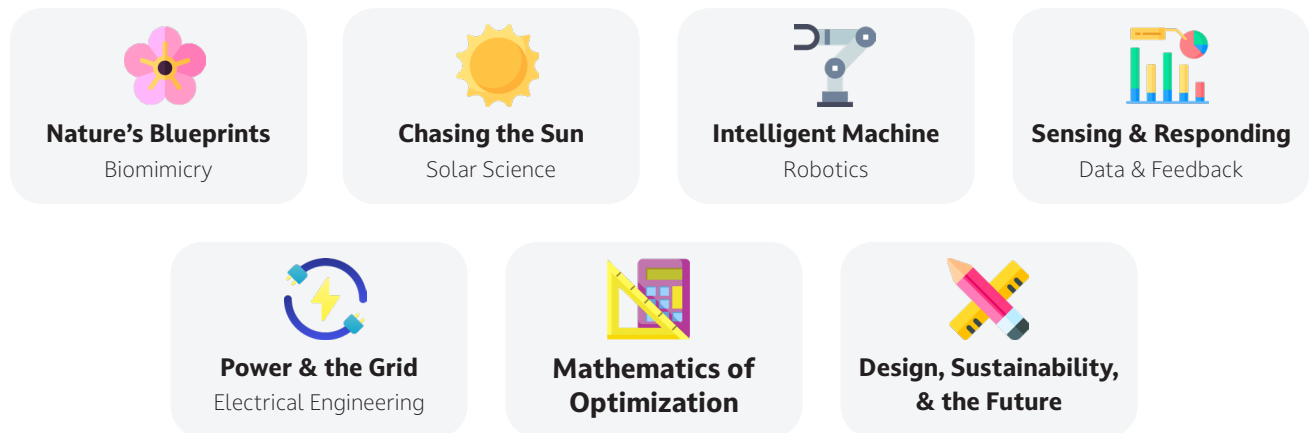
# A Framework For Future-Ready Learning: SmartFlower STEM

A comprehensive, interdisciplinary curriculum that uses SmartFlower as a living laboratory for students.



The SmartFlower is presented as a convergence point for multiple disciplines, including biology, robotics, physics, and design thinking. The guiding principle is that students use the on-site technology as a touchstone, connecting classroom theories to real-world data and mechanical behaviors.

## Curriculum Structure: The 7 Strands



## Key Educational Features

### Hands-On Engagement

Students don't just watch; they build their own small-scale solar trackers and design original biomimetic solutions.

### Real-World Data

The system provides a continuous stream of authentic data for statistical analysis and longitudinal studies.

### Adaptability

The framework is designed for Middle School through High School, with advanced tracks for AP/IB students.

### Standards Aligned

It maps to NGSS, ISTE, and Common Core standards across Science, Math, and ELA.

By the end of the program, students understand not just individual STEM concepts, but how they integrate to create intelligent, sustainable technologies and are prepared to design the next generation of solutions.

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