

MIDDLE SCHOOL STEM INITIATIVE

Science • Technology • Engineering • Math



**MALDEN
CATHOLIC**

The Codivisional
High School

Primary course goals:

- Understanding Engineering Design process
- Explore and solve real-world problems and to Engineer solutions
- STEM curriculum will involve inquiry-based lessons where kids carry out hands-on investigations that encourage critical thinking and problem solving. The lessons will not be *prescriptive*, and teacher will play a *facilitator* role, providing just enough guidance and monitoring.
- Understanding the fact that multiple right answers are possible as students work to solve a problem. The environment will be risk-free, and mistakes and design failures will be treated as good methods of learning.
- To achieve all the above with integrity and with a mind ever toward the Xaverian values

Outcomes: The students will work on various small projects as well as one long project. They will be given a chance to showcase their projects at Malden Catholic STEM innovation fair 2020!

Electronic sign-up is here:

<https://www.maldencatholic.org/catholicschoolclasses>

Cost per student: \$150

Dates at Malden Catholic:

10/28/19	11/18/19
12/9/19	1/13/20
2/3/20	3/2/20
3/23/20	4/6/20
5/4/20	6/1/20

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