

TRACK TO EXCELLENCE

Career & College Readiness Platform

tracktoexcellence.org

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Websites to Explore Mechatronics

1. [TryEngineering](#) — Great starting point for students because it introduces engineering careers, hands-on activities, games, and pathways to college programs; it serves students in grades 4–12. ([NSF - U.S. National Science Foundation](#))
2. [TeachEngineering](#) — Offers hands-on engineering activities, including high-school-level projects involving mechanics, electronics, robotics, sensors, and automation. NYU's mechatronics lab specifically points students and educators toward its activities. ([Mechatronics Lab NYU Tandon](#))
3. [University of Kansas Mechatronics Resources](#) — Has beginner-friendly videos and projects involving Arduino, programming, electronics, and engineering design. ([Wilson Lab](#))
4. **[SC Department of Education – Mechatronics Resources](#)** — Especially useful for your students because South Carolina actually offers Mechatronics 1–4 as a high-school CTE pathway, with standards, student profiles, equipment lists, and additional resources. ([South Carolina Department of Education](#))
5. [CTE Resource – Mechatronics](#) — Useful for understanding what students actually learn in a mechatronics pathway and how coursework connects to career and technical skills. ([CTE Resource](#))
6. [UC Science Connect – Mechatronics](#) — A fun hands-on introduction where students explore how mechanical systems + electronics + sensors + feedback work together. It's geared more toward younger students, but some activities could work as an introductory high-school activity. ([UC Agriculture and Natural Resources](#))
7. [SC Future Makers](#) — Since you're creating career-exploration resources for South Carolina students, this is another good place to connect students' interests to South Carolina career pathways and opportunities.

★ These websites are best for:

-  Understand It: TryEngineering
-  Build It: TeachEngineering
-  Program It: University of Kansas Mechatronics Resources
-  Make It a Career: SC Department of Education Mechatronics Pathway