STEM Learning with Labster and zSpace

Labster provides access to problem-based lab experiments in biology, chemistry, physics, and engineering. Students work at their own pace to complete the experiences in the zSpace virtual learning environment. Labster's content has been specifically designed to compliment the STEM curriculum and, together with zSpace, helps students gain a deeper understanding of complex scientific concepts.

Aligned to the Next Generation Science Standards (NGSS), Labster empowers students to "learn by doing" in an environment where it is easy to explore, make mistakes, and change variables without having to be concerned with material costs or clean up. Combining elements of computer gaming and the psychology of learning, Labster's simulations are proven to increase both learning and student motivation. Students learning concepts using Labster have shown up to a 101% increase in learning outcomes.

Features and Benefits

- An environmentally-friendly and safe experience
- Content aligned to the Next Generation Science Standards (NGSS)
- Ability to question, explore, make observations, change variables, gather data, and draw conclusions in a virtual laboratory
- Up to a 101% increase in learning outcomes

Simulation Examples:

Springs and Masses

Light and Polarization

Ideal Gas Law

zSpace + Labster

Learn more online at zspace.com