zSpace Learning Lab

The zSpace Learning Lab includes a suite of learning applications, hundreds of activities ready for integration into your curriculum, and zSpace all-in-one computers that deliver lifelike experiences that...

Inspire Curiosity. Engage Students.
Creating engagement through exploration and experiential learning in a student-centered environment defines the zSpace learning experience. Concepts and places typically left to the imagination become tangible.

Build Student Confidence.
zSpace develops fearless learners through an environment where safety is guaranteed, supplies are unlimited and experimentation is encouraged. Through life-like experiences, zSpace levels the playing field of student experience. As confidence grows and engagement is built, student interest in STEM careers expands.

Deepen Student Understanding.
zSpace encourages students to inquire, take risks, and solve problems while building background knowledge to be successful. From creating original experiments to designing new objects, zSpace elevates opportunities for students to apply their learning. Student collaboration creates numerous opportunities for rich academic conversations.
## Curriculum Subject Areas

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Life Science</th>
<th>Physical Science</th>
<th>Earth &amp; Space Science</th>
<th>Social Science</th>
<th>Math</th>
<th>Arts</th>
<th>CTE</th>
<th>Languages</th>
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* Best suited for higher level anatomy learning
** Higher level math concepts of algebra, geometry, functions and 3D math

## Content Overview

### Life Science
- Animal Life Cycles
- Human Anatomy
- Biochemistry
- Biomes
- Botany
- Cells and Viruses
- Chemistry
- Classification
- Ecology
- Evolution
- Food Web
- Genetics
- Relationships
- Zoology

### Physical Science
- Electrical Current
- Energy and Collisions
- Mechanical Structure and Function
- Momentum and Impulse
- Motion in Straight Line
- Newtonian Mechanics
- Projectile Motion
- Troubleshooting

### Engineering Design
- Design Thinking
- Project-based Learning

### Earth & Space Science
- Environmental Issues
- Fossils
- Geographic Features
- Human Impact
- Natural Hazards
- Solar System and Space

### Mathematics
- Base 10 Operations
- Ratios and Proportions
- Volume and Surface Area
- Fractions
- Place Value
- Graphing
- 2D and 3D Shapes
- Cross-sections
- Algebra
- Geometry

### History & Geography
- Culture
- World History
- U.S. History
- Parts of the U.S.
- Parts of the World

### Arts
- Music
- Sculpting

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## Studio Exploration Models

Thousands of models available for exploration and investigation.

- Anatomy
- Animals
- Animated
- Astronomy
- Biology
- Buildings
- Chemistry
- Dissectible
- Environment
- Fun
- Furniture
- Historical
- Insects
- Landmarks
- Math
- Mechanical
- Plants
- Sculpture
- Space
- Storytelling
- Vehicles

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