



# 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

	Life Science	Physical Science	Earth & Space Science	Social Science	Math	Arts	CTE	Languages
zSpace Learning Applications	Studio	✓		✓	✓		✓	Chinese Spanish
	Leopoly	✓				✓	✓	English Only
	Newton's Park		✓	✓		✓		Chinese
	Franklin's Lab		✓					Chinese
	Curie's Elements	✓						Chinese Spanish
	Euclid's Shapes					✓		Chinese Spanish
	Geogebra**					✓		Multiple
	Human Anatomy Atlas*	✓					✓	Multiple
	VIVED Science	✓	✓				✓	Multiple
	VIVED Anatomy*	✓					✓	Multiple
	VIRTUAL ECG	✓					✓	English Only
	Automotive Expert						✓	English Only
	Automotive Mechanic						✓	English Only
	Wave NG by Mimbus						✓	English Only

\* 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  
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

## 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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