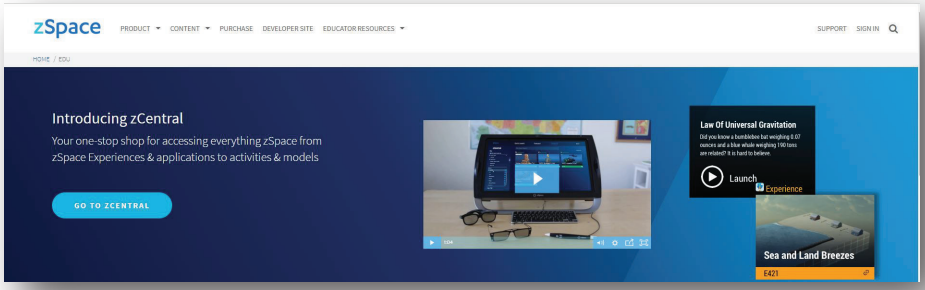
zSpace.com/edu
Web Browsing Guide
Resources Overview



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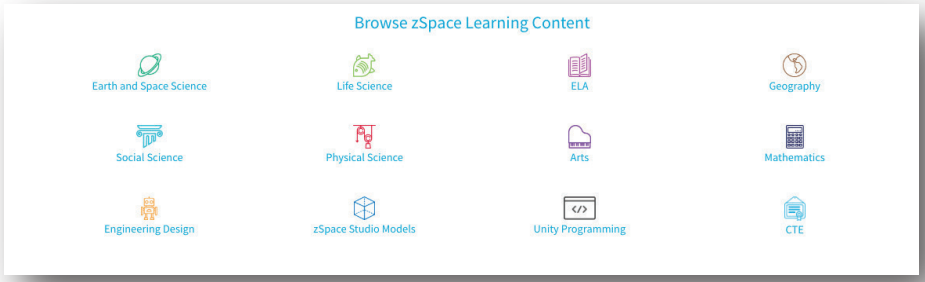
Browse Learning Content

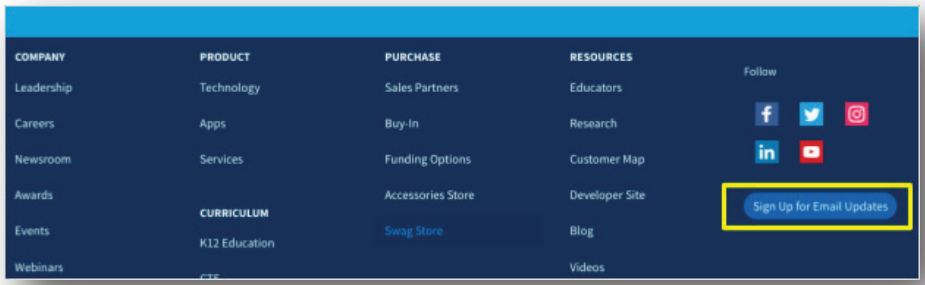


scroll

Explore the zSpace Applications

- Each one includes videos and user guides.

scroll

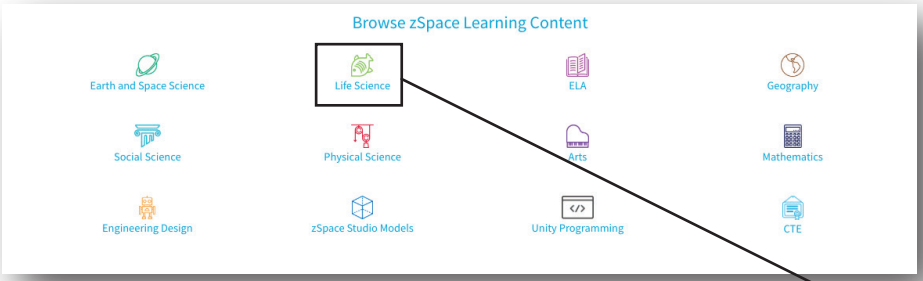


Tip:
Print and laminate a copy of the reference sheet and keyboard shortcuts.

zSpace

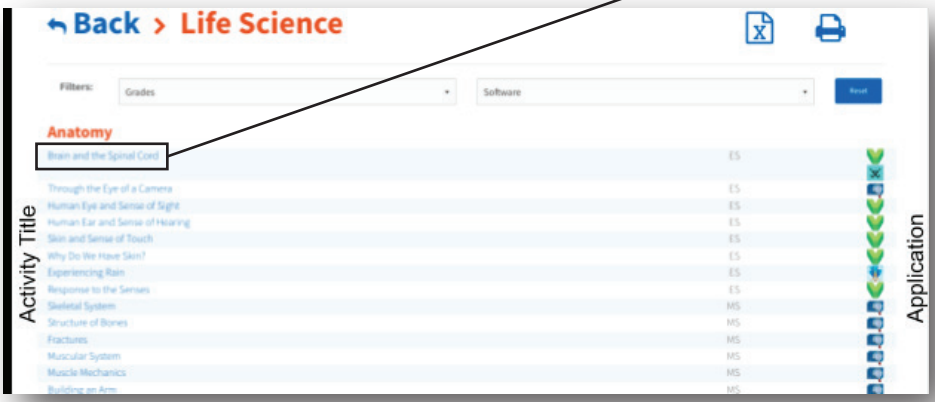
Browse Learning Content

How to Locate zSpace Activities

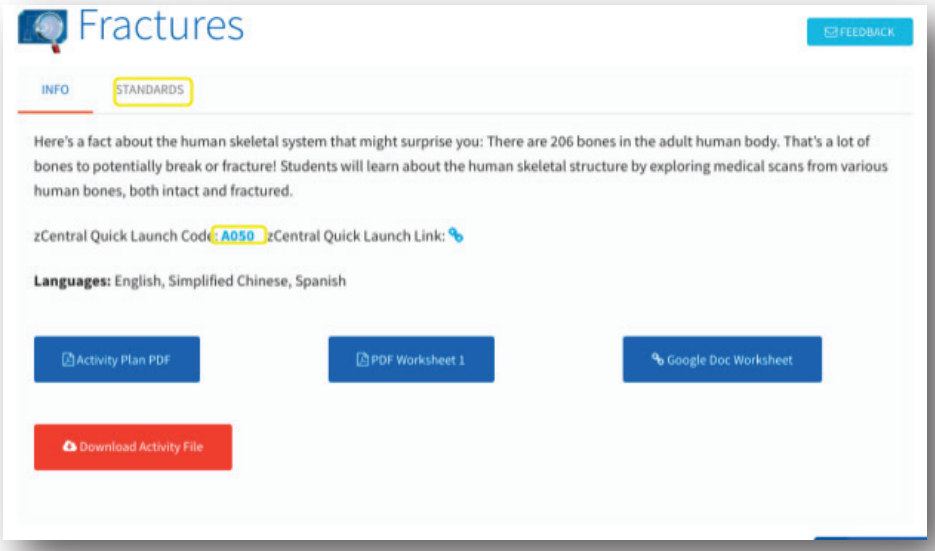


next page

- Select content area
- Select an activity (click on activity title)



Each activity includes the following:



- Standards
- Quick Launch Code for zCentral
- Activity plan PDF (complete lesson plan)
- Google Doc: makes a copy in your Google Drive
  - Modify activity questions (changes appear in this Google Doc, not in the activity)
  - Add vocabulary words to define
  - Customize for students
  - Email to students or add to LMS

Sandbox Quick Launch Codes

zSpace Studio - AP21
Euclid's Shapes - AP25
Franklin's Lab - AP22
Newton's Park - AP23
Curie's Elements - AP24

Explore the zSpace Applications

- Each one includes videos and user guides

Tip:
Print and laminate a copy of the reference sheet and keyboard shortcuts.

Getting Started

Prepare your students for the zSpace learning lab using the resources below. It is recommended to show your students our "How to" videos before their first zSpace Lab. Posters for your lab can be downloaded and printed by selecting View Guides to the right of the page.

zSpace Studio - Your one-stop shop for exploration. Thousands of models from many subject areas allow for student-led discovery.

Leopoly - Leopoly provides an easy, early training ground to introduce students to the world of 3D creation, as well as help them to create, customize, and prepare digital objects for 3D printing. Incorporate design thinking exercises, or promote the inclusion of creation into the sciences. Students can begin their creative path from a ball of clay or a shape and develop their design with sculpting, painting, embossing tools, and more.

Newton's Park - A physics playground that promotes discovery through experimentation. Learners can build simulations, change gravity, and stop and reverse time while gathering data to deepen their understanding of Newtonian mechanics.

Franklin's Lab - Teach the process of troubleshooting while allowing students a safe place to discover the basics of electrical circuits. Circuit components can be limited or broken to create problem-solving scenarios for students.

Euclid's Shapes - Math manipulative and learning activities for elementary and middle school students: numbers and operations in base 10, measurement and data, fractions, functions, ratios, and geometry.

Curie's Elements - This interactive periodic table included Bohr and atomic (orbital) models of each element, allows visualization of trends in the periodic table, and provides an atom builder and learning activities. Details for each element are also included.

Activity Builder - Activities are created and edited in zSpace Newton's Park, Studio, Euclid's Shapes, and Franklin's Lab using Activity Builder. You can change anything we've written or create your own activities.

zView - zView allows you to project what is seen on your zSpace screen to a projector or secondary monitor. Choose from a simple screen share or an augmented reality presentation of what you are doing live on your zSpace. In order to use zView in augmented reality mode, you will need a web cam connected to your zSpace.

VIVED Anatomy - VIVED Anatomy makes dry lab dissection easy, engaging, and interac-tive with virtual dissection capabilities. Design and save lab sessions and create quiz questions to support your curriculum. VIVED Anatomy's fully dissectible and labeled human body is ready for curriculum personalization.

VIVED Science - Hundreds of detailed and fully dissectible models for automotive, engineering, biological sciences, zoology, earth science, anatomy, and more. Learning sessions can be saved and replayed.

VIVED Volume - VIVED Volume is a tool for viewing and interacting with medical imaging scans in space. Users can explore demo volumes or create new volumes from their DICOM libraries.

VIVED Chemistry - VIVED Chemistry includes activities and simulations to support physical science and chemistry instruction.

GeoGebra - GeoGebra brings together geometry, algebra, spreadsheets, graphing, statistics, and calculus in one simple package. In zSpace, the resulting graphs and figures come alive in 3D.

Human Anatomy Atlas - Use the Human Anatomy Atlas for independent student research and to aid in developing accurate mental models of the human body and how its parts relate to each other. Muscular movement animations provide insight into how the muscular system moves the skeleton. Quizzes allow for self-assessment of learning.

Virtual ECG - Virtual ECG is created to train students in electrocardiography (ECG) electrode placement, heart lead regions, and heart conditions. It leverages a rare convergence of medical knowledge and advanced visualization to bring clear insight into the science of 12-lead electrocardiography.

Virtual Automotive Expert - VR Automotive Expert is a first-of-its-kind, 3D interactive study guide for automotive training. Detailed text and interactive simulations allow students to visualize and engage with content to deepen understanding.

Virtual Automotive Mechanic - VR Automotive Mechanic lets students practice assembly and disassembly within a virtual shop where safety is guaranteed and practice can be repeated. Students will be better prepared for real-world training.

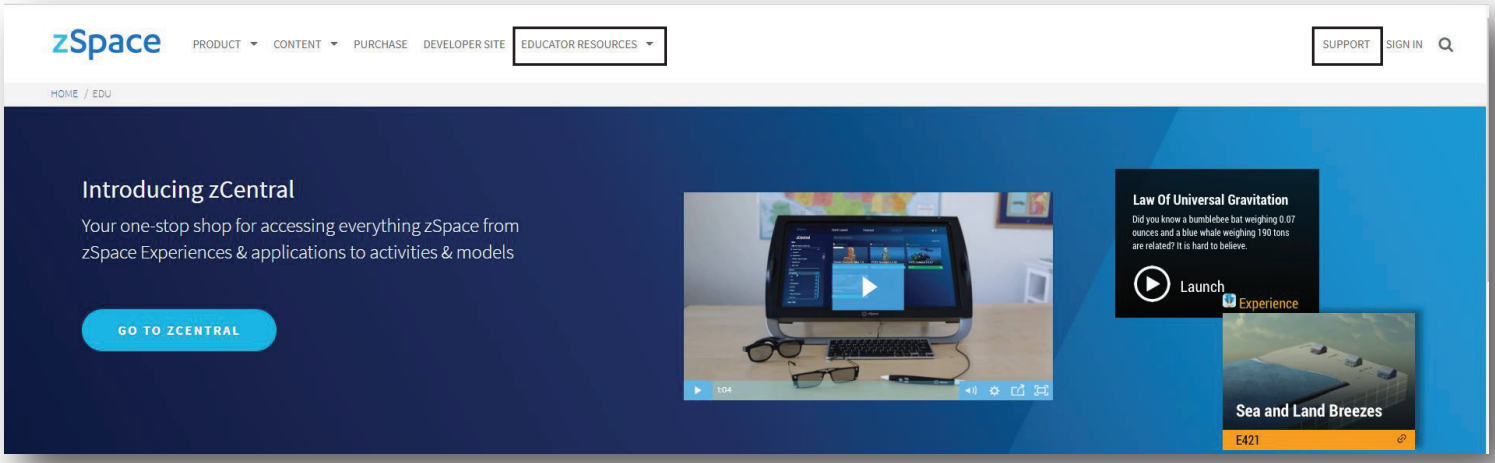
Tinkercad - Tinkercad provides an easy, early training ground to introduce students to the world of 3D design and exploration. While Tinkercad works on any computer, users must be on a zSpace learning device to launch their design in zSpace Studio. Students are able to create, customize, and prepare digital objects for 3D printing. Teachers can incorporate design thinking exercises or promote the inclusion of creation into the sciences.

Wave NG - Using zSpace, Wave NG by Mimbus provides students with hands-on training in welding gestures, MAG, and MMA, through a series of exercises performed with a handheld welding simulator. Students receive multisensory training, allowing them to weld from multiple angles using their eyes, ears, and hands to master the fundamentals of welding.

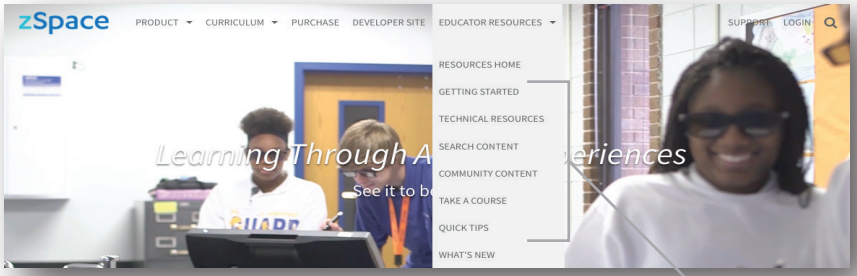
zSpace Experiences - zSpace Experiences include experiential-based simulations of earth, life, and physical science topics that allow students to manipulate content while learning abstract concepts.

Labster - Labster offers true-to-life lab experiments for high school students designed to support physical science and physics instruction.

Educator Resources & Support



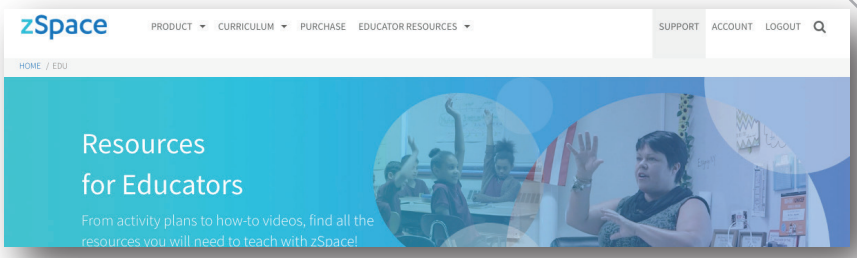
Educator Resources



zCentral (go.zspace.com)

- Launch an activity on the zSpace
- See what is new - activities, models, and Experiences on the zSpace or any device
- Browse activities, experiences and models on the zSpace or any device

Support



Getting Started

- Prepare for your first zSpace class

Technical Resources

- Sixty-second videos demonstrating how to troubleshoot and update zSpace

Search Content

- Search by topic, subject, or grade level

Community Content

- Teachers can share activities they create

Take a Course

- Getting Started
- Learning Applications
- Teaching with zSpace

Quick Tips

- Videos and PDFs to support zSpace integration

Create your lesson plans on any device

Then explore/launch activities on your zSpace