

NEW WORLD VR CORP

EDUCATIONAL CONTENT

(8/1/2022)

The following content is brought to you by a selection of VR companies entering the education space. These programs offer a variety of topics and content for schools. The following are available on Oculus GO.

Star Chart – See the constellations above you now and explore the space frontier.

Atlas VR – Earth structure, topology, day and night cycle, and atmospheric layers

Atlas Obscura – Visit the most strange and amazing places of the world.

Wander – World Exploration

Notre Dame De Paris – about construction of the cathedral

Looking Glass – View 3D photography from 180 years ago. Yes! Really old 3D prints from history.

Art Plunge – View 5 famous paintings from the inside * Mona Lisa * Starry Night * The Birth of Venus * The Creation of Adam * Girl Reading a Letter at an Open Window

Wonderful You – Life Science

YouTubeVR – A great variety of content in VR

Word Search – A 360 crossword puzzle

Network Collapse – Fun way to understand computer networking

Calc Flow – Review common equations in the XYX plane, change variables, or create your own

After Class Math – Fun game to learn simple arithmetic

Space Time – A great way to learn about Einstein's theories

Apollo 11 – Virtual story from NASA

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The Virtual Arctic Expedition – Submerge under the ocean as a scuba diver in the arctic waters to see what it was like in 1950 and then again 2050 to observe how time changes the environment.

The Blue – Short immersive under water experience.

Universal Sandbox - Create and destroy on an unimaginable scale while exploring our beautiful cosmos.

NASA's Exoplanet Excursion – Visit what NASA envisions the TRAPPIST-1 star system is and explore its special features.

International Space Station Tour – step inside the space station and learn about it from the crew members on board.

Newton's House of Force - You will experience the laws of nature in a way that would never be possible in the real world.

Fantastic Contraption - A surreal building game for VR.

Nanone – Build your own DNA strand and other molecules.

datavizVR – View sample data or upload your own data and view it in three-dimensional coordinate space.

Calcfow - Manipulate vectors with your hands, explore vector addition and cross product. See and feel a double integral of a sinusoidal graph in 3D, a mobius strip and it's normal, and spherical coordinates!

Jam Studio VR – Family-oriented interactive music.

In memory – The animated version of a prisoner of war story.

Hunger – An experience set in Los Angeles where indigent are trying to survive in an over-strained food distribution system.



VictoryXR brings us a great selection of virtual tours to real places blended with animated game-style lessons NGSS aligned for middle and high schoolers.

The following programs are intended for middle school students; however, they can be appropriate for elementary too. There are several short lessons within each 25 to 35-minute program.

LIFE SCIENCE

Adapt and Move Forward 1 Space

Analog vs. Digital

Cell Tour Galore!

Circle of Life

DNA: Crack the Code

Eat to Compete

Fiery Fiasco: Up in Flames

Land of Giants

Nature's Neighborhoods

Newton's Notions in Motion

Solids, Liquids, Gases

Type & Transfer: Energy's Profile

ENGINEERING AND TECHNOLOGY

Aim High Optimize

Fabulous Fakery

The Solution Revolution

Wright and Ferris: Up, Up, and Away

Yellow Brick Road to Design

EARTH SCIENCE

America's Lakes & Rivers

Flash & Flicker

Forecasting Disaster

My Address Is Earth

Rocks: Jam On!

Solar System Road Trip

Terrestrial Terrains

DISSECTIONS

Less expensive than labs and very realistic. The virtual lab is actually like a real one but you can't lean on the tables. Each dissection takes 30 to 45 minutes. These can be done only on high end systems so not on Oculus GO but using a Vive or Rift with gaming computer.

Cat Dissection

Dogfish Dissection

Frog Dissection

Pig Dissection

These programs are intended for high school students; however, they can be appropriate for middle too. There are several short lessons within each 25 to 35-minute program.

LIFE SCIENCE

Body Awesome

Adventure Learning Inside Humans

Food World: The Good, Bad and Stinky

From Slime to Dinosaurs

Genius Genetics

In the Arena: Human Expansion

Mysteries & Mansions

ENGINEERING AND TECHNOLOGY

Masters of Design

Rad Robots of Wild Earth

Take Flight!

EARTH SCIENCE

Adventures in Space: Black Holes and Beyond

Ancient Adventures

Cataclysmic Earth

Expeditions in Ecology

Lunar Learning & Earthly Rocks

Oceans of Wonder

PHYSICAL SCIENCE

Chemistry in the Wonderlab

Getting Cheesy: Biochemistry Fun

Mechanized Mania

Newtons House of Forces

Purveyors of Power & Propulsion

Racing the Waves of Radiation

Things That Go Boom

Wild World of Wonder: Ag

OTHER FROM VICTORYXR

English for ESL students

Walking in Mandela's Footsteps Modern History

MEL Science

MEL Science brings us physical science and chemistry in 3D like you've never seen before. The animated lessons cover every topic from elementary school to college level.

Experience the invisible

Atoms in solids

Atoms in gasses

Atom structure

Electron orbitals

Isotopes

Orbital names

Electron configuration

Atom size

Ions

Carbon atom

Carbon 14 isotope

Oxygen atom

Sodium atom

Nitrogen atom

Neon Atoms

Make your atom

Periodic table

Periodic table box

Atomic mass

Atomic size trends

Interactive periodic table

Molecules

Molecular representation

Molecular formula

Make methane molecule

Make carbonic acid molecule

Make dichloroethane molecule

Make a molecule

Ionization energy

Electron affinity

Photon and energy levels

Build a molecule

Covalent bond in H₂

Covalent bond

Ionic bond

Bond energy

Molecular vibration

VSEPR theory

Metals

Temperature in gasses

Temperature in solids

Speed distribution

Speed vs kinetic energy

Temperature vs kinetic energy

Thermal conductivity

Diffusion in gases

Diffusion in liquids

Air composition

Density of helium

Pressure

Pressure measurement

Gas laws

Charges and forces

Electrostatic force

Coulomb's law

Spherical charge

Dipole

Dipole-dipole forces

Induced dipole

Evaporation

Condensation

Vapor pressure

Boiling

Melting

Freezing

Dissolution

Crystallization

Solvation shell

Solubility

Cations and anions

Atom properties

And more!

Single and multiple bonds

Sigma bond

Pi bond

Empirical formula

Molecular models

Lewis dot structures

Molar mass

Binary compounds

Oxides

Molecular spectra

Mass spectrometry

Colorimetry

Molecular spectroscopy

Chemical equation

Chemical equation lab

Conservation of mass

Balancing equation

Balancing equation lab

Law of definite composition

Synthesis reactions

Decomposition reactions

Single replacement reactions
Double replacement reactions
Combustion
Bond polarity prediction
Dissociation
Dissociation constant
Dissociation constant lab
Acids
Bases
Salts
Hydrolysis
pH scale
Buffers
Neutralization
Strengths of acids and bases
Arrhenius acids
Arrhenius bases
Bronsted-Lowry definitions
Lewis definitions
Intermolecular forces
Hydrogen bonds
Polar molecules interaction
Nonpolar molecules interaction
Solute/solvent interaction
Van der Waals forces
Surface tension
Chromatography
Molecular solids
Redox reactions

Oxidation number

Oxidation number lab

Voltaic cell

Electrolysis

Half-cells

Collision theory

Activation energy

Temperature & reaction rate

Concentration & reaction rate

Measuring reaction rate

Surface area & reaction rate

Catalyst

Equilibrium

Concentration & equilibrium

Temperature & equilibrium

Pressure & equilibrium

Entropy

Non ideal gas models

Carbon atom

Alkanes

Alkanes naming

Lab alkanes naming

Alkenes

Alkenes naming

Alkynes

Alkynes naming

Isomers

Isomers lab

Stereomers

Optical isomers
Cyclic saturated hydrocarbons
Aromatic hydrocarbons
Halogen substituents
Substitution reaction
Alcohols
Properties of alcohols
Addition reactions
Ethers
Aldehydes and ketones
Aldehydes and ketones
Carboxylic acids
Carboxylic acids
Esters
Esterification
Redox in organic chemistry
Polymerization
Addition polymers
Condensation polymers
Carbohydrates
Amino acids
Peptides and proteins
Enzymes
Glycerol
Lipids
Phospholipids and waxes
Nucleic acids
Quarks
Radioactivity

Radioactive isotopes

Alpha radiation

Beta radiation

Gamma radiation

Half-life

Half-life lab

Transmutation

Fission

Fusion



Dual-Good has developed a professional CPR training course that uses the Rift or Vive to actually provide feedback on chest compression depth and pace so you get immediate feedback while training with a dummy. First aid training covers all basic topics. First aid training is also available on the Oculus GO seated VR stations.

First Aid Training

PPP

ABC

DRABC

Secondary Survey

Recovery Position

CPR EAD

Wounds and Bleeding

Tourniquets and Dressings

Choking

Demos adult CPR and child CPR

BLS Course

