



Virtual Reality Learning Goals and Program Alignment Art History

Skill Levels: 6-12; 4 Learning Goals; 46 Learning Objectives

Learning Goal 1: Introduction to art

Learning Objective 1: Art History
2: Intro to VR Timeline
3: Art

Learning Goal 2: Forms of Art

Learning Objective 1: Drawing
2: Printing
3: Sculpture
4: Photography
5: Architecture

Learning Goal 3: Art History

Learning Objective 1: Introduction
2: Art History

Learning Goal 4: Art Movements

Learning Objective 1: Cave Art
2: Egyptian Art
3: Greek/Classical Art
4: Roman Art
5: Chinese Art
6: Japanese Art
7: Indian Art
8: Islamic Art
9: African Art
10: Gothic Art
11: Byzantine Art
12: Early Renaissance
13: High Renaissance
14: Romanesque Art
15: Pre-Columbian Art

- 16: Mannerism
- 17: Baroque Art
- 18: Rococo
- 19: Neoclassicism
- 20: Romanticism
- 21: Realism
- 22: Symbolism
- 23: Impressionism
- 24: Post-Impressionism
- 25: Fauvism
- 26: Art Nouveau
- 27: Art Deco
- 28: Expressionism
- 29: Abstractionism
- 30: Cubism
- 31: Surrealism
- 32: Abstract Expressionism
- 33: Pop Art
- 34: Minimalism
- 35: Postmodern Art
- 36: New Media

Virtual Reality Program Alignment

Chicago: Modern Architecture

Skill Levels: 6-12; 6 Learning Goals; 61 Learning Objectives

Learning Goal 1: Modern Architecture

- Learning Objective
- 1: Introduction
 - 2: Virtual Chicago
 - 3: Architecture
 - 4: Space and Planes
 - 5: Function
 - 6: Architecture as Art

Learning Goal 2: Skyscrapers

- Learning Objective
- 1: The Skyscraper
 - 2: Building a Skyscraper
 - 3: Iron and Steel
 - 4: Skeleton

Learning Goal 3: Buildings

- Learning Objective
- 1: Chicago Hilton Hotel
 - 2: Buckingham Fountain
 - 3: Auditorium Building
 - 4: Art Institute of Chicago
 - 5: Aon Center
 - 6: Chicago Metropolitan Correctional Center
 - 7: Chicago Board of Trade Building
 - 8: Sears Tower
 - 9: The United Center
 - 10: Navy Pier
 - 11: Adler Planetarium
 - 12: Field Museum
 - 13: Shedd Aquarium
 - 14: Soldier Field
 - 15: McCormack Place
 - 16: Water Tower
 - 17: John Hancock Center
 - 18: Water Tower Place
 - 19: Thompson Center
 - 20: Richard J. Daley Center
 - 21: County Building/City Hall
 - 22: Merchandise Mart
 - 23: Marina City
 - 24: Wrigley Building

- 25: Tribune Tower
- 26: 860-880 Lake Shore Dr.
- 27: Reliance Building
- 28: Marshall Field's
- 29: Harold Washington Library
- 30: 333 Wacker Drive
- 31: Millennium Park Music Pavilion

Learning Goal 4: Urban Planning

- Learning Objective
- 1: The Loop
 - 2: Chicago Boulevard and Parks System
 - 3: Great Chicago Fire
 - 4: Grant Park
 - 5: Chicago River/ Lake Michigan
 - 6: 1909 Chicago Plan
 - 7: Free and open Lakefront

Learning Goal 5: Architectural Movements

- Learning Objective
- 1: Prairie Style
 - 2: Chicago School
 - 3: International Style
 - 4: Modern Architecture
 - 5: Art Deco
 - 6: Post Modern Architecture
 - 7: Deconstructionist Architecture

Learning Goal 6: Architects

- Learning Objective
- 1: Louis Sullivan
 - 2: Frank Lloyd Wright
 - 3: Daniel H. Burnham
 - 4: Mies van der Rohe
 - 5: Mile High Building
 - 6: Frank O. Gehry

Virtual Reality Program Alignment

1963 March on Washington

Skill Levels: 6-12; 5 Learning Goals; 37 Learning Objectives

Learning Goal 1: Introduction to the 1963 March on Washington

- Learning Objective
- 1: 1963 March on Washington
 - 2: March Participants
 - 3: Worldwide Audience
 - 4: Sponsors
 - 5: Organizing the March
 - 6: Security
 - 7: History of the March
 - 8: Accommodations
 - 9: March Results

Learning Goal 2: People of the 1963 March on Washington

- Learning Objective
- 1: MLK
 - 2: JFK
 - 3: John Lewis
 - 4: A. Philip Randolph

Learning Goal 3: Background to the March

- Learning Objective
1. Background to the March
 2. Segregated Society
 3. Civil Rights
 4. March Planning
 5. Travel to the March
 6. Celebrities
 7. Sponsors

Learning Goal 4: March on Washington Speeches

- Learning Objective
1. "I Have a Dream" Speech

Learning Goal 5: March on Washington Demands

- Learning Objective
1. Civil Rights Legislation
 2. Elimination of segregation in schools
 3. End to police brutality
 4. Public works jobs for unemployed
 5. Prohibition of hiring discrimination
 6. \$2 an hour minimum wage

Virtual Reality Program Alignment

The Civil Rights Movement

Skill Levels: 6-12; 4 Learning Goals; 40 Learning Objectives

Learning Goal 1: Civil Rights Movement

- Learning Objective
- 1: Introduction to Civil Rights
 - 2: Non-Violent Protest
 - 3: Civil Rights Background
 - 4: Civil Rights Beginnings
 - 5: Civil Rights Goals
 - 6: Future of Civil Rights

Learning Goal 2: Events of the Civil Rights Era

- Learning Objective
- 1: Brown v. Board of Education
 - 2: Montgomery Bus Boycott
 - 3: Rosa Parks
 - 4: Birmingham Church Bombing
 - 5: March on Selma
 - 6: Little Rock, Arkansas Desegregation
 - 7: University of Mississippi
 - 8: Sit-In Movement
 - 9: Freedom Riders
 - 10: Civil Rights Act of 1964
 - 11: Army Desegregation of 1948
 - 12: Jim Crow Laws

Learning Goal 3: Martin Luther King Jr.

- Learning Objective
- 1: Early Life
 - 2: Influences
 - 3: SCLC
 - 4: Birmingham
 - 5: 1963 March on Washington
 - 6: 1964 Nobel Prize
 - 7: Selma
 - 8: Vietnam
 - 9: The North
 - 10: Economic Issues
 - 11: Legacy

Learning Goal 4:

Civil Rights Timeline

| | | |
|---------------------------|-----|------|
| <u>Learning Objective</u> | 1: | 1954 |
| | 2: | 1955 |
| | 3: | 1956 |
| | 4: | 1957 |
| | 5: | 1960 |
| | 6: | 1961 |
| | 7: | 1962 |
| | 8: | 1963 |
| | 9: | 1964 |
| | 10: | 1965 |
| | 11: | 1968 |

Virtual Reality Program Alignment

The Bloodstream

Skill Levels: 6-12; 9 Learning Goals; 39 Learning Objectives

Learning Goal 1: Introduction to Blood

Learning Objective 1: The Bloodstream
2: Blood
3: Blood Components

Learning Goal 2: Blood Functions

Learning Objective 1: Transport
2: Blood Travel
3: Hormones
4: Body Heat distribution
5: Bleeding Control

Learning Goal 3: Red Blood Cells (RBCs)

Learning Objective 1: Flexibility
2: Nucleus
3: Function of Red Blood Cells: Oxygen
4: Function of Red Blood Cells: Hemoglobin
5: Function of Red Blood Cells: Carbon Dioxide Removal

Learning Goal 4: White Blood Cells (WBCs)

Learning Objective 1: Invasions
2: Circulation
3: Types of White Blood Cells
4: White Blood Cell Distribution

Learning Goal 5: Kinds of White Blood Cells

Learning Objective 1: Neutrophils
2: Neutrophil Methods
3: Bands
4: Eosinophils
5: Basophils
6: Monocytes
7: Monocyte Methods

- 8: Lymphocytes
- 9. T Cells
- 10. B Cells
- 11. Platelets

Learning Goal 6: Life of a Blood Cell

- Learning Objective
- 1: Blood creation
 - 2: Stem Cells
 - 3: Cell Life
 - 4: Blood Cell Removal

Learning Goal 7: Plasma

- Learning Objective 1: Plasma

Learning Goal 8: Blood Types

- Learning Objective 1: Blood Types

Learning Goal 9: Blood Disorders

- Learning Objective
- 1: Anemia
 - 2: Leukemia
 - 3: Hemophilia
 - 4: Infections
 - 5: AIDS

Virtual Reality Program Alignment

The Human Cell

Skill Levels: 6-12; 3 Learning Goals; 28 Learning Objectives

Learning Goal 1: Introduction to the Cell

Learning Objective 1: The Cell

Learning Goal 2: Cell Components

Learning Objective 1: Nucleus
2: Cell Membrane
3: The ER
4: The Golgi Apparatus
5: Vacuole
6: Lysosomes
7: Mitochondria
8: Chloroplasts
9: Centrioles
10: Microbody
11: Microfilaments
12: Microtubules
13: Polysome
14: Ribosome

Learning Goal 3: Cell Facts

Learning Objective 1: Death of a cell
2: Cell as basic unit of life
3: Specialized Functions
4: Life
5: Reproduction
6: Looking at a cell
7: Cell Shapes
8: Cell Size
9: The living cell
10: Cell division
11: Cell Disease
12: Cancer
13: Scientific History

Virtual Reality Program Alignment

The Constitution: Colonial Life

Skill Levels: 6-12; 11 Learning Goals; 54 Learning Objectives

Learning Goal 1: Colonial Life

- Learning Objective
- 1: Introduction to Colonial Life
 - 2: Arrival of Colonists
 - 3: Houses
 - 4: Rivers
 - 5: Roads

Learning Goal 2: Colonial Regions

- Learning Objective
- 1: New England
 - 2: Middle Colonies
 - 3: Southern Colonies

Learning Goal 3: Original 13 Colonies

- Learning Objective
- 1: Massachusetts
 - 2: Connecticut
 - 3: Rhode Island
 - 4: New Hampshire
 - 5: New York
 - 6: New Jersey
 - 7: Pennsylvania
 - 8: Delaware
 - 9: Virginia
 - 10: Maryland
 - 11: North Carolina
 - 12: South Carolina
 - 13: Georgia

Learning Goal 4: Colonial Religion

- Learning Objective
- 1: Religion
 - 2: Religious Life
 - 3: Sunday

Learning Goal 5: Plantation

- Learning Objective
- 1: Indentured Servants
 - 2: Colonial Slavery
 - 3: Slavery

Learning Goal 6: Farm

- Learning Objective
- 1: Farming
 - 2: Trading
 - 3: British Laws

Learning Goal 7: Class

- Learning Objective
- 1: Colonial Social Classes
 - 2: Colonial Social Classes: Gentry
 - 3: Colonial Social Classes: Middle Class
 - 4: Colonial Social Classes: Lower Class

Learning Goal 8: Government

- Learning Objective
- 1: Colonial government
 - 2: Local government
 - 3: Voting
 - 4: Police

Learning Goal 9: Constitution Background

- Learning Objective
- 1: State Constitutions
 - 2: Articles of Confederation
 - 3: Weak Government
 - 4: Currency
 - 5: Instability
 - 6: Shay's Rebellion

Learning Goal 10: Colonial Cities

- Learning Objective
- 1: Philadelphia
 - 2: Boston
 - 3: New York
 - 4: Washington D.C.
 - 5: Baltimore
 - 6: Charleston

Learning Goal 11:

Colonial Landmarks

- Learning Objective
- 1: Plymouth Rock
 - 2: The Mayflower
 - 3: Thanksgiving
 - 4: Boston Tea Party

Virtual Reality Program Alignment

The Constitution: Articles

Skill Levels: 6-12; 10 Learning Goals; 27 Learning Objectives

Learning Goal 1: Introduction to The Constitution

Learning Objective 1: Introduction

Learning Goal 2: Article 1

Learning Objective 1: Article 1
2: Congress
3: House of Representatives
4: Senate
5: Bills

Learning Goal 3: Article 2

Learning Objective 1: Article 2
2: The President
3: 35th Birthday Cake
4: Cannon
5: Treaty
6: Supreme Court judges
7: State of Union

Learning Goal 4: Article 3

Learning Objective 1: Article 3
2: Supreme Court
3: Powers

Learning Goal 5: Article 4

Learning Objective 1: Article 4

Learning Goal 6: Article 5

Learning Objective 1: Article 5

Learning Goal 7: Article 6

Learning Objective 1: Article 6

Learning Goal 8: Article 7

Learning Objective 1: Article 7

Learning Goal 9: Constitutional Concepts

Learning Objective 1: Checks and balances
2: Declaration of Independence.
3: Federalism

Learning Goal 10: Amendments

Learning Objective 1: Amendments
2: Creation Process
3: Non-violent change
4: Proposing Amendments

Virtual Reality Program Alignment

The Constitution: Constitutional Convention

Skill Levels: 6-12; 5 Learning Goals; 23 Learning Objectives

Learning Goal 1: Introduction to the Constitutional Convention

Learning Objective 1: Introduction
2: Background
3: Security

Learning Goal 2: Influences on the Constitutional Convention

Learning Objective 1: Magna Carta
2: State Constitutions
3: Declaration of Independence
4: Framework: Virginia Plan

Learning Goal 3: Debates of the Constitutional Convention

Learning Objective 1: Debates
2: Debate: Details
3: Debate: Slavery
4: Debate: Articles of Confederation
5: Debate: Federalism

Learning Goal 4: Delegates of the Constitutional Convention

Learning Objective 1: James Madison
2: Benjamin Franklin
3: George Washington
4: Alexander Hamilton
5: Luther Martin
6: Edmund Randolph
7: Thomas Jefferson
8: John Adams

Learning Goal 5: Plans of the Constitutional Convention

Learning Objective 1: New Jersey Plan
2: Virginia Plan
3: Connecticut Compromise

Virtual Reality Program Alignment

Shakespeare's Globe Theater

Skill Levels: 6-12; 5 Learning Goals; 38 Learning Objectives

Learning Goal 1: Elizabethan Era

Learning Objective 1: Introduction
2: Elizabethan England
3: Shakespeare's London
4: Shakespeare's England

Learning Goal 2: Shakespeare

Learning Objective 1: Shakespeare
2: Plays
3: Human Nature
4: Subjects
5: Influence on Culture
6: Influence on Words/Phrases
7: Royal Audience

Learning Goal 3: Globe Theater

Learning Objective 1: Globe Dimensions
2: Globe Size
3: Globe Courtyard
4: Groundlings
5: Stage
6: Stage Entrances

Learning Goal 4: Globe Productions

Learning Objective 1: Discovery Space
2: Balcony
3: Trap Door
4: Roof
5: Props
6: Costumes
7: Sound
8: Audience
9: Audience Class
10: Globe Fire

Learning Goal 5:

Shakespeare's Plays

- Learning Objective
- 1: The Taming of the Shrew
 - 2: A Midsummer Night's Dream
 - 3: Romeo and Juliet
 - 4: Julius Caesar
 - 5: Much Ado About Nothing
 - 6: Hamlet
 - 7: Othello
 - 8: King Lear
 - 9: Macbeth
 - 10: Antony and Cleopatra
 11. The Tempest

Virtual Reality Program Alignment

The Solar System

Skill Levels: 6-12; 18 Learning Goals; 98 Learning Objectives

Learning Goal 1: Solar System

- Learning Objective
- 1: Introduction to the Solar System
 - 2: Solar System Structure
 - 3: Orbits
 - 4: Structure
 - 5: Three kinds of planets
 - 6: Discovery
 - 7: Creation

Learning Goal 2: Sun

- Learning Objective
- 1: Introduction
 - 2: Gas
 - 3: Solar wind
 - 4: Creation
 - 5: Age
 - 6: Mythology

Learning Goal 3: Mercury

- Learning Objective
- 1: Introduction
 - 2: Appearance
 - 3: Mythology
 - 4: Discovery
 - 5: Exploration

Learning Goal 4: Venus

- Learning Objective
- 1: Introduction
 - 2: Atmosphere
 - 3: Temperature
 - 4: Rotation
 - 5: Volcanoes
 - 6: Map
 - 7: Mythology
 - 8: Exploration

Learning Goal 5: Moon

- Learning Objective 1: Introduction
2: Gravitational forces
3: Surface
4: Absence of sound
5: Mythology
6: Phases
7: Apollo Missions

Learning Goal 6: Earth

- Learning Objective 1: Introduction
2: Atmosphere
3: Age
4: Clouds
5: Water
6: Mythology
7: Pictures

Learning Goal 7: Mars

- Learning Objective 1: Introduction
2: Surface
3: Olympus Mons
4: Canyon system
5: Water
6: Mythology
7: Exploration

Learning Goal 8: Asteroid Belt

- Learning Objective 1: Asteroid Size and Number
2: Asteroid creation

Learning Goal 9: Comets

- Learning Objective 1: Halley's comet

Learning Goal 10: Jupiter

- Learning Objective 1: Introduction
2: Revolutions
3: Gas structure

- 4: Clouds
- 5: Great Red Spot
- 6: Mythology
- 7: Discovery
- 8: Exploration

Learning Goal 11: IO

- Learning Objective
- 1: Volcanoes
 - 2: Terrain
 - 3: Mythology
 - 4: Discovery

Learning Goal 12: Europa

- Learning Objective
- 1: Candidate to support life
 - 2: Liquid water surface
 - 3: Mythology

Learning Goal 13: Saturn

- Learning Objective
- 1: Introduction
 - 2: Rings
 - 3: Mythology
 - 4: Discovery
 - 5: Exploration

Learning Goal 14: Titan

- Learning Objective
- 1: Introduction
 - 2: Atmosphere
 - 3: Snow
 - 4: Mythology
 - 5: Discovery

Learning Goal 15: Uranus

- Learning Objective
- 1: Introduction
 - 2: Tilt
 - 3: Rings
 - 4: Chemicals
 - 5: Mythology
 - 6: Exploration

Learning Goal 16: Neptune

- Learning Objective
- 1: Introduction
 - 2: Color
 - 3: Violent storms
 - 4: Mythology
 - 5: Exploration
 - 6: Discovery

Learning Goal 17: Triton

- Learning Objective
- 1: Introduction
 - 2: Ice volcanoes
 - 3: Discovery
 - 4: Mythology
 - 5: Exploration

Learning Goal 18: Pluto

- Learning Objective
- 1: Introduction
 - 2: Moon
 - 3: Atmosphere
 - 4: Mythology
 - 5: Discovery
 6. Exploration

Virtual Reality Program Alignment

Mayan Culture: Chichen Itza

Skill Levels: 6-12; 6 Learning Goals; 34 Learning Objectives

Learning Goal 1: Introduction to Chichen Itza

Learning Objective 1: Introduction
2: Chichen Itza
3: Temple of Kukulcan
4: The Great Snake

Learning Goal 2: Astronomy

Learning Objective 1: The Observatory
2: Astronomy
3: Platforms
4: Observatory Uses
5: Venus
6: The Sun
7: The Moon
8: Platform of the Tigers

Learning Goal 3: Chichen Itza Buildings

Learning Objective 1: The Temple of the Warriors:
2: Army
3: Cenotes
4: Pools
5: The Pillar of The Snake
6: The House of the Nuns
7: Society
8: The Church
9: The Temple of the Jaguars

Learning Goal 4: Recreation

Learning Objective 1: The Ballcourt
2: Mayan Ballgames
3: Pok-a-tok

Learning Goal 5: Mayan Life

Learning Objective 1: Mayan Technology
2: Architectural Styles

- 3: The Maya Environment
- 4: Calendar
- 5: Writing
- 6: Mayan Hieroglyphics
- 7: Maya Art and Artifacts

Learning Goal 6: Religion

- Learning Objective**
- 1: Gods
 - 2: Kukulcán
 - 3: Maya Mathematics

Virtual Reality Program Alignment

United States Geography

Skill Levels: 6-12; 9 Learning Goals; 111 Learning Objectives

Learning Goal 1: US Geography

- Learning Objective
- 1: Introduction
 - 2: States
 - 3: Regions

Learning Goal 2: New England

- Learning Objective
- 1: Introduction
 - 2: People
 - 3: Boston
 - 4: Cradle of Liberty
 - 5: Education Center
 - 6: White and Green Mountains

Learning Goal 3: Mid-Atlantic States

- Learning Objective
- 1: Introduction
 - 2: Pennsylvania Oil
 - 3: Appalachian People
 - 4: Poverty
 - 5: Coal
 - 6: New York City
 - 7: NYC Importance
 - 8: NYC Boroughs
 - 9: Philadelphia
 - 10: Founding
 - 11: Washington D.C.
 - 12: City Life
 - 13: Pittsburgh
 - 14: Niagara Falls
 - 15: Appalachian Mountains

Learning Goal 4:

The South

Learning Objective

- 1: Introduction
- 2: Mason-Dixon's Line
- 3: Cajuns
- 4: Native Americans
- 5: Protestants
- 6: African-Americans
- 7: Cotton
- 8: Oranges
- 9: Grapefruit
- 10: Sugar Cane
- 11: Gulf Coast Oil
- 12: Miami
- 13: New Orleans
- 14: Atlanta
- 15: Charlotte
- 16: Blue Ridge Mountains
- 17: The Ozarks
- 18: Gulf of Mexico
- 19: Mississippi River
- 20: Mississippi River history
- 21: Floods
- 22: Hurricanes

Learning Goal 5:

The Midwest

Learning Objective

- 1: Introduction
- 2: Corn Belt
- 3: Corn
- 4: The Great Plains
- 5: Wheat
- 6: Chicago
- 7: Detroit
- 8: Milwaukee
- 9: Cleveland
- 10: Minneapolis
- 11: St. Paul
- 12: St. Louis
- 13: Indianapolis
- 14: Great Lakes
- 15: Lake Michigan
- 16: Lake Superior
- 17: Lake Huron
- 18: Lake Erie
- 19: Lake Ontario

Learning Goal 6: The Mountain West

- Learning Objective
- 1: Rocky Mountains
 - 2: Mormons
 - 3: Denver
 - 4: Salt Lake City
 - 5: The Great Salt Lake
 - 6: The Continental Divide
 - 7: Rocky Mountains
 - 8: Missouri River

Learning Goal 7: The Southwest

- Learning Objective
- 1: Introduction
 - 2: Native Americans
 - 3: Climate
 - 4: Population Growth
 - 5: Cattle
 - 6: Phoenix
 - 7: Albuquerque
 - 8: Houston
 - 9: Dallas
 - 10: San Antonio
 - 11: The Grand Canyon
 - 12: Lake Mead
 - 13: Hoover Dam

Learning Goal 8: The Pacific Coast

- Learning Objective
- 1: Pacific Coast
 - 2: Connection to Asia
 - 3: Forestry
 - 4: Grand Coulee Dam
 - 5: Fishing
 - 6: Los Angeles
 - 7: Hollywood
 - 8: San Francisco
 - 9: San Diego
 - 10: Silicon Valley
 - 11: Seattle
 - 12: Portland
 - 13: Death Valley
 - 14: San Andreas Fault
 - 15: Sierra Nevada

- 16: Sequoia National Park
- 17: Redwood Forest
- 18: Mount Saint Helens
- 19: Crater Lake
- 20: Cascade Mountains
- 21: California

Learning Goal 9: Borders

- Learning Objective
- 1: Canadian Border
 - 2: Canada
 - 3: Mexican Border
 - 4: Mexico

Virtual Reality Program Alignment

World Geography: Africa

Skill Levels: 6-12; 6 Learning Goals; 48 Learning Objectives

Learning Goal 1: Introduction to Africa

Learning Objective 1: Africa Geography

Learning Goal 2: Geographical Features

Learning Objective 1: The Nile River
2: Nile River Valley
3: The Sahara Desert
4: Mount Kilimanjaro
5: Atlas Mountains
6: Lake Chad
7: Lake Victoria
8: Lake Nyasa
9: Kalahari Desert
10: Serengeti
11: Victoria Falls
12: Lake Tanganyika
13: Great Rift Valley
14: Congo River
15: Niger River

Learning Goal 3: African Cities

Learning Objective 1: Dakar, Senegal
2: Goree Island, Senegal
3: Abidjan, Ivory Coast
4: Lagos, Nigeria
5: Accra, Ghana
6: Cairo, Egypt
7: Nairobi, Kenya
8: Dar-es-Salaam, Tanzania
9: Johannesburg, South Africa
10: Kinshasa, Congo
11: Casablanca, Morocco
12: Tunis, Tunisia

Learning Goal 4: African Countries

- Learning Objective**
- 1: South Africa
 - 2: Liberia
 - 3: Nigeria
 - 4: Madagascar
 - 5: Morocco
 - 6: Egypt
 - 7: Senegal
 - 8: Ghana
 - 9: Tanzania
 - 10: Ethiopia

Learning Goal 5: African Resources

- Learning Objective**
- 1: Nigeria Minerals
 - 2: Nigeria Oil
 - 3: South Africa Gold
 - 4: South Africa Minerals
 - 5: Diamonds

Learning Goal 6: Oceans/Seas

- Learning Objective**
- 1: Atlantic Ocean
 - 2: Atlantic Ocean Size
 - 3: Indian Ocean
 - 4: Mediterranean Sea
 - 5: Red Sea

Virtual Reality Program Alignment

World Geography: Antarctica

Skill Levels: 6-12; 10 Learning Goals; 53 Learning Objectives

Learning Goal 1: Introduction to Antarctica

Learning Objective 1: Introduction
2: Exploration.
3: Size

Learning Goal 2: History

Learning Objective 1: Discovery
2: People
3: Population
4: Explorers

Learning Goal 3: Antarctica Facts

Learning Objective 1: Cold
2: Heat
3: High-Altitude
4: Light
5: Sunlight
6: Temperature
7: Desert
8: Wind
9: Ice
10: Politics

Learning Goal 4: McMurdo Base

Learning Objective 1: McMurdo Base
2: McMurdoSummer
3: Tourism

Learning Goal 5: Physical Geography

Learning Objective 1: Ross Ice Shelf
2: West Antarctica Ice Sheet
3: Ice Streams
4: Ice Sheet Thickness

Learning Goal 6: Science on Antarctica

- Learning Objective
- 1: Introduction
 - 2: Clean lab
 - 3: Population
 - 4: Danger
 - 5: Meteorites
 - 6: Fossils

Learning Goal 7: South Pole Amundsen-Scott Station

- Learning Objective
- 1: Amundsen-Scott Station
 - 2: The Dome
 - 3: Skyway
 - 4: Skyway in Winter
 - 5: Skyway Repairs
 - 6: Summer Camp
 - 7: Elevated Dorms
 - 8: Elevated Dorms in Summer
 - 9: South Pole Altitude

Learning Goal 8: The Three South Poles

- Learning Objective
- 1: The Three South Poles
 - 2: Ceremonial South Pole
 - 3: Geographic South Pole
 - 4: Magnetic South Pole
 - 5: Moving South Poles

Learning Goal 9: Sea Ice

- Learning Objective
- 1: Sea Ice
 - 2: Growth
 - 3: Sea Ice Research
 - 4: Sea Ice Life
 - 5: Icebergs

Learning Goal 10: Oceans

- Learning Objective
- 1: Atlantic Ocean
 - 2: Pacific Ocean
 - 3: Indian Ocean
 - 4: Antarctic Ocean

Virtual Reality Program Alignment

World Geography: Asia

Skill Levels: 6-12; 6 Learning Goals; 53 Learning Objectives

Learning Goal 1: Introduction to Asia

- Learning Objective
- 1: Introduction
 - 2: Regions
 - 3: Asia Introduction

Learning Goal 2: Geographic Features

- Learning Objective
- 1: Dead Sea
 - 2: Mount Everest
 - 3: Siberia
 - 4: Siberian Tundra
 - 5: Siberia Weather
 - 6: Gobi Desert
 - 7: Pamirs
 - 8: Tigris River
 - 9: Tigris-Euphrates Area
 - 10: Euphrates River
 - 11: Jordan River
 - 12: Indus River
 - 13: Ganges River
 - 14: Ganges Holy
 - 15: Yangtze River
 - 16: Three Gorges Dam
 - 17: Arabian Desert
 - 18: Persian Gulf

Learning Goal 3: Interesting Places

- Learning Objective
- 1: Great Wall
 - 2: Trans-Siberian Railroad

Learning Goal 4: Asian Cities

- Learning Objective
- 1: Jerusalem
 - 2: Jerusalem spiritual center
 - 3: Tokyo
 - 4: Tokyo important

- 5: Beijing
- 6: Beijing Forbidden City
- 7: Shanghai
- 8: Seoul
- 9: Seoul founded
- 10: Hong Kong
- 11: Bombay
- 12: Bombay2 overcrowding
- 13: Calcutta

Learning Goal 5: Countries

- Learning Objective
- 1: India
 - 2: China
 - 3: Japan
 - 4: Afghanistan
 - 5: Israel
 - 6: Saudi Arabia
 - 7: Vietnam
 - 8: Singapore

Learning Goal 6: Oceans/Seas

- Learning Objective
- 1: Pacific Ocean
 - 2: Pacific Ocean Size
 - 3: Tsunamis
 - 4: Mariana Trench
 - 5: Arctic Ocean
 - 6: Iceberg
 - 7: Indian Ocean
 - 8: Indian Ocean Pollution
 - 9: Monsoons

Virtual Reality Program Alignment

World Geography: Australia

Skill Levels: 6-12; 8 Learning Goals; 57 Learning Objectives

Learning Goal 1: Introduction to Australia

- Learning Objective
- 1: Introduction
 - 2: "Down under"
 - 3: Classification
 - 4: Opposites
 - 5: History
 - 6: People
 - 7: Immigration
 - 8: British Influence
 - 9: Wealth

Learning Goal 2: Geographical Features

- Learning Objective
- 1: Great Barrier Reef
 - 2: Ayers Rock
 - 3: Outback
 - 4: Great Dividing Range
 - 5: SouthEast
 - 6: Interior
 - 7: Tasmania
 - 8: Western Plateau
 - 9: Snowy Mountains
 - 10: Ayers Rock
 - 11: Deserts
 - 12: Murray River
 - 13: Darling River
 - 14: Snowy Mountains Water
 - 15: Lake Argyle

Learning Goal 3: Cities

- Learning Objective
- 1: Sydney
 - 2: Melbourne
 - 3: Perth
 - 4: Canberra

Learning Goal 4: Aborigines

- Learning Objective** 1: Aborigines
2: Aboriginal Population
3: Aboriginal History
4: Aboriginal Suffering
5: Aboriginal Art

Learning Goal 5: History

- Learning Objective** 1: First Sighting
2: Initial Settlement
3: The Australian gold rush

Learning Goal 6: Culture

- Learning Objective** 1: Government
2: Immigration
3: Language
4: City life
5: State Capitals
6: Country life
7: Cricket
8: Australian Rules Football
9: Religion
10: Architecture
11: Sydney Opera House

Learning Goal 7: Natural Resources

- Learning Objective** 1: Mining
2: Agriculture
3: Wool
4: Outback isolation
5: Native animals
6: Eucalyptus trees

Learning Goal 8: Oceans/Seas

- Learning Objective** 1: Pacific Ocean
2: Pacific Ocean Size
3: Pacific Islands
4: Indian Ocean

Virtual Reality Program Alignment

World Geography: Europe

Skill Levels: 6-12; 5 Learning Goals; 50 Learning Objectives

Learning Goal 1: Introduction to Europe

Learning Objective 1: Introduction
2: Diversity

Learning Goal 2: Geographical Features

Learning Objective 1: Mediterranean Sea
2: Earthquakes and Volcanoes
3: Western Civilization
4: Ural Mountains
5: Asian Border
6: The Great European Plain
7: The Alps
8: Sierra Nevada
9: Pyrenees
10: Carpathian Mountains
11: Caucasus Mountains
12: Volga River
13: Rhine River
14: Danube River
15: Fjords

Learning Goal 3: Cities

Learning Objective 1: Rome
2: London
3: London Culture
4: Paris
5: Paris Culture
6: Eiffel Tower
7: Moscow
8: Kremlin
9: Stockholm
10: Madrid
11: Barcelona
12: Athens
13: Parthenon
14: Vienna

- 15: Saint Petersburg
- 16: St. Petersburg names
- 17: Amsterdam
- 18: Berlin

Learning Goal 4: Countries

- Learning Objective
- 1: United Kingdom
 - 2: France
 - 3: Spain
 - 4: Italy
 - 5: Sweden
 - 6: Russia
 - 7: Germany

Learning Goal 5: Water/Seas

- Learning Objective
- 1: Atlantic Ocean
 - 2: Atlantic Ocean Size
 - 3: Arctic Ocean
 - 4: Icebergs
 - 5: North Sea Oil
 - 6: Baltic Sea
 - 7: Black Sea
 - 8: Caspian Sea

Virtual Reality Program Alignment

World Geography: North America

Skill Levels: 6-12; 6 Learning Goals; 82 Learning Objectives

Learning Goal 1: Introduction to North America

Learning Objective 1: Introduction
2: Size
3: Climate

Learning Goal 2: North American Cities

Learning Objective 1: Montreal
2: Toronto
3: CN Tower
4: Vancouver
5: Mexico City
6: Mexico City Central Plaza
7: Mexico City Poverty and Pollution
8: New York City
9: Washington D.C.
10: Chicago
11: Los Angeles
12: Miami
13: Havana
14: Guadalajara
15: Monterrey

Learning Goal 3: Geographical Features

Learning Objective 1: Hudson Bay
2: Greenland
3: North Pole
4: Appalachian Mountains
5: Mississippi River
6: Great Plains
7: Rocky Mountains
8: Mount McKinley
9: Death Valley
10: Grand Canyon
11: Great Lakes
12: Central America
13: Continental Divide
14: MacKenzie River

- 15: Niagara Falls
- 16: Yosemite Falls
- 17: Rio Grande River
- 18: Mojave Desert
- 19: Chihuahuan Desert
- 20: Sonoran Desert
- 21: Great Basin Desert
- 22: Yukon River
- 23: Aleutian Islands
- 24: Newfoundland
- 25: Volcanoes
- 26: Lake Chapala
- 27: Valley of Mexico
- 28: Chiapas Highlands
- 29: Gulf of Mexico
- 30: Missouri River
- 31: Ohio River
- 32: St. Lawrence Seaway
- 33: Sierra Madre Mountains

Learning Goal 4: Countries

- Learning Objective**
- 1: United States
 - 2: Canada
 - 3: Mexico
 - 4: Guatemala
 - 5: El Salvador
 - 6: Honduras
 - 7: Nicaragua
 - 8: Costa Rica
 - 9: Panama
 - 10: Bahamas
 - 11: Haiti
 - 12: Dominican Republic
 - 13: Cuba
 - 14: Jamaica

Learning Goal 5: The Caribbean and Central America

- Learning Objective**
- 1: Panama Canal
 - 2: Puerto Rico
 - 3: Christopher Columbus
 - 4: San Salvador
 - 5: Caribbean Sea
 - 6: West Indies

Learning Goal 6:

Oceans/Seas

- Learning Objective
- 1: Atlantic Ocean
 - 2: Atlantic Ocean Size
 - 3: Puerto Rican Trench
 - 4: Pacific Ocean
 - 5: Pacific Ocean Size
 - 6: Arctic Ocean
 - 7: Icebergs

Virtual Reality Program Alignment

World Geography: South America

Skill Levels: 6-12; 6 Learning Goals; 82 Learning Objectives

Learning Goal 1: Introduction to South America

- Learning Objective
- 1: Introduction
 - 2: Size/Countries
 - 3: Landscape and climate
 - 4: Water

Learning Goal 2: Geological Features

- Learning Objective
- 1: Andes Mountains
 - 2: Andes Natural Resources
 - 3: Amazon River
 - 4: Amazon Diversity
 - 5: Amazon Rainforest
 - 6: Amazon Resources
 - 7: The Altiplano
 - 8: Patagonia
 - 9: Las Pampas
 - 10: Angel Falls
 - 11: Aconcagua Mountain
 - 12: The Equator
 - 13: Cape Horn
 - 14: Llanos
 - 15: GranChaco
 - 16: Brazilian Highlands
 - 17: Parana River
 - 18: Itaipu Dam
 - 19: Orinoco River
 - 20: Lake Maracaibo
 - 21: Lake Titicaca
 - 22: Angel Falls
 - 23: Iguacu Falls
 - 24: Atacama Desert
 - 25: Galapagos
 - 26: Falkland Islands
 - 27: Easter Island

Learning Goal 3: South American Cities

- Learning Objective**
- 1: Rio de Janeiro, Brazil
 - 2: People of Rio de Janeiro
 - 3: Sao Paulo, Brazil
 - 4: Bogotá, Colombia
 - 5: Buenos Aires, Argentina
 - 6: Santiago, Chile
 - 7: La Paz, Bolivia
 - 8: Brasilia, Brazil
 - 9: Asuncion, Paraguay
 - 10: Lima, Peru
 - 11: Quito, Ecuador
 - 12: Caracas, Venezuela

Learning Goal 4: Countries of South America

- Learning Objective**
- 1: Argentina
 - 2: Bolivia
 - 3: Brazil
 - 4: Brazil Population
 - 5: Chile
 - 6: Colombia
 - 7: Ecuador
 - 8: Guyana
 - 9: Peru
 - 10: Paraguay
 - 11: Suriname
 - 12: Uruguay
 - 13: Venezuela

Learning Goal 5: Oceans and Seas

- Learning Objective**
- 1: Atlantic Ocean
 - 2: Atlantic Ocean Size
 - 3: Pacific Ocean
 - 4: Pacific Ocean Border
 - 5: Antarctic Ocean
 - 6: Icebergs
 - 7: Caribbean Sea