



Engagement Elevated:

How Immersive Technology Transforms Student Learning

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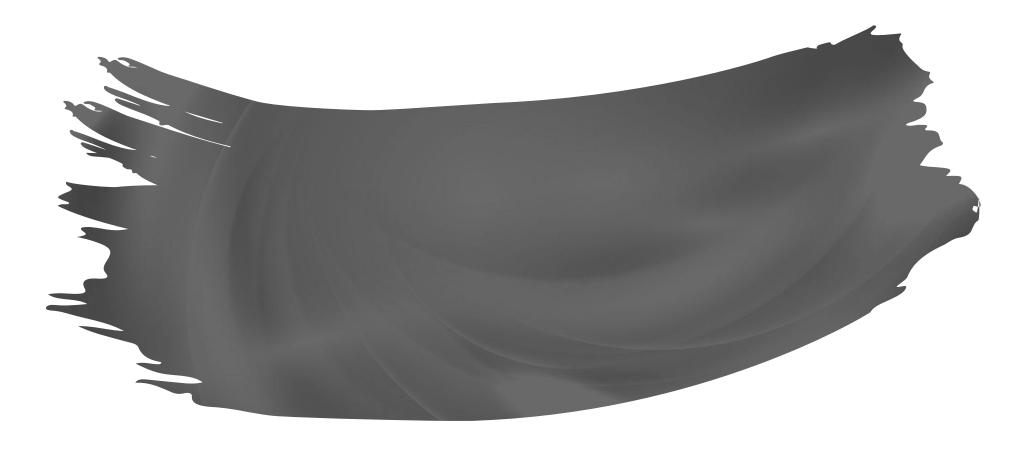
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Why Engagement Matters



What is Your Gift?

Engagement Matters Because it...

1. Drives Academic Achievement

Behavioral, Emotional & Cognitive Development -> Achievement

2. Predicts Long-Term Outcomes

College Success, Career Readiness, and Life Outcomes

3. Supports Emotional and Social Development

Fosters feelings of connection & motivation, reducing depression & anxiety

4. Reduces Risk Behaviors and Absenteeism

 School connectedness is a protective factor, reducing substance abuse, violence, and an array of behaviors linked to poor mental health

5. Fuels Intrinsic Motivation and Lifelong Learning

Cultivates curiosity, perseverance, and experiences of mastery & purpose





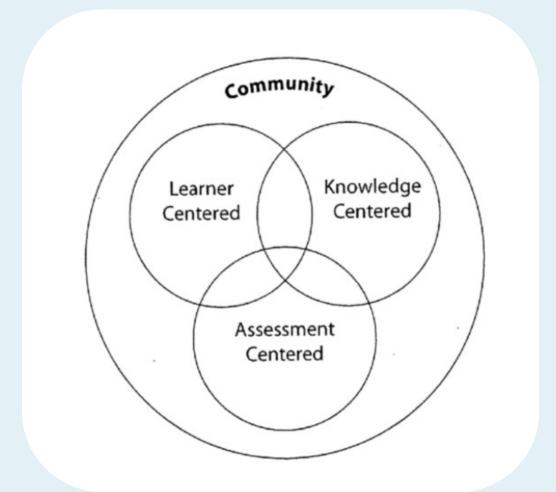
- Cognitive Science Research on How People Learn
 - Drawing from the National Academy of Sciences How People Learn framework
 - Aligned with Problem-based / Challenge-based learning
- Dimensions of impactful learning experiences (highly effective professional development)
 - The 8 elements of professional learning experiences that are most highly correlated with growth and improvement in learner effectiveness
- Tenets of Systems Thinking
 - All knowledge, skills, and processes operate within nested, multi-faceted systems
- Psychological and Meta-cognitive research on Experiential Learning
 - Informed by Dewey, Kolb, James, Lewin, Rogers & Freire's work on constructivism & learning cycles



The How People Learn (HPL) Framework

• The most impactful learning experiences include all 4 elements of the Framework.

 Socially immersive learning experiences provide innovative ways for students to experience them.





8 Dimensions of Impactful Learning / PD

1. Includes Subject Matter Content

2. Job Embedded

3. Provides Support for Learners

4. Incorporates Authentic, Active Learning

5. Involves Collaboration with Colleagues & Experts

6. Ongoing & Sustained

7. Linked to Key Learning Outcomes

8. Provides Opportunities for Reflection

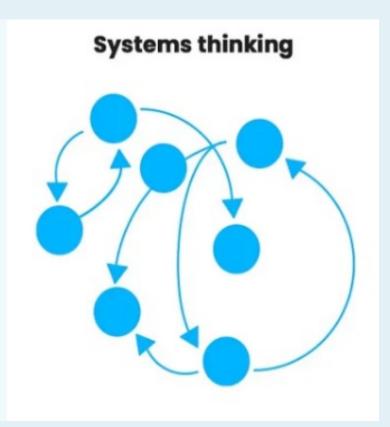
Optima's socially immersive
learning platform provides
opportunities for teachers to
incorporate all the elements of
"impactful learning" linked to
improved learner outcomes



Systems Thinking

Traditional thinking



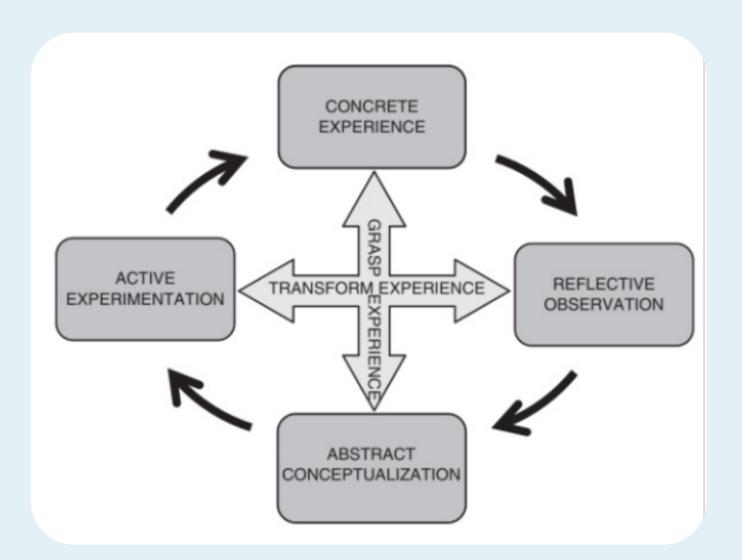


- The application of learning takes place within interconnected ecosystems of knowledge and practice.
- Optima's socially immersive learning
 platform provides opportunities for
 teachers to engage students in learning
 experiences illustrative of the cognitive
 and social complexity within which
 concepts can be understood and applied.



The Experiential Learning Cycle

- Humans don't develop capacity by thinking....but by doing.
- Socially immersive XR
 experiences provide teachers
 with a tool to foster the
 movement from abstract
 conceptualization to active
 experimentation, concrete
 experience, and reflective
 observation.



Students Remember....



Research on VR Learning



People who are taught using virtual reality are 3.75 times more emotionally connected to the content, 4 times more focused than their e-learning peers, and 275% more confident about applying the skills they learn."

- PwC



"Research shows we remember 90% of what we do. VR yields the latter scenario impeccably."

- New York University

Research on VR Learning



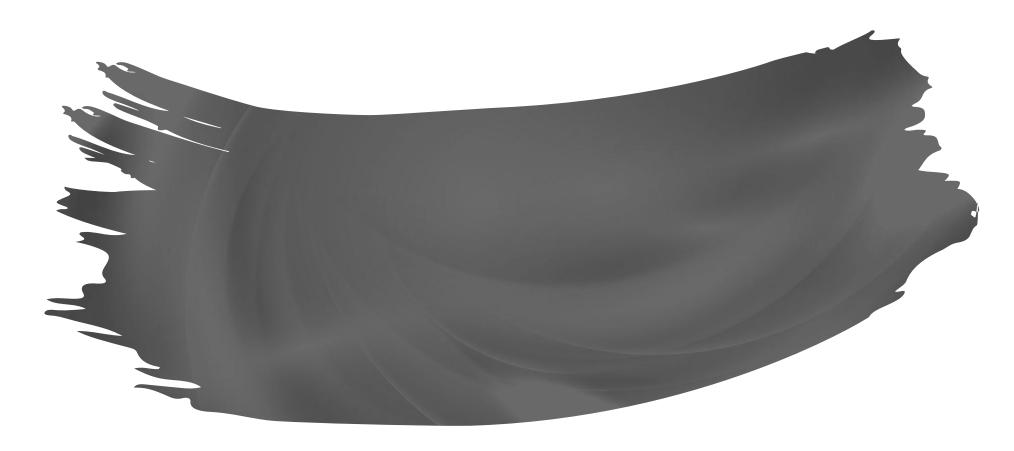
"VR learners were 150% less distracted and 40% more confident in applying what they were taught compared to their counterparts in traditional classrooms."

- PwC



"Virtual Reality (VR) can cause students to become more interested in course material, leading to higher levels of engagement and better performance on long-term assessments."

What is the Biggest Challenge You Currently Face... Elevating the Engagement of Your Students?



Who We Are

Optima is a virtual content provider which has created the largest library of educational VR assets in the world and makes it available to schools and districts via subscription. Our accredited K-12 curriculum has been proven effective through the world's first VR school, Optima Academy Online, as well as with 100+ school and district partnerships.

Our Vision

Our vision is to transform education through immersive technology, making learning engaging and accessible to all.

Our Mission

Our mission is to create a world where students can explore, interact, and learn in immersive environments that foster deep understanding and curiosity.



Core Offerings

Content Library



Optima owns the largest library of educational VR assets in the world and makes it available to districts and schools via subscription.

Coursework



Optima's VR-based
coursework powers the
world's first and only
accredited K-12 Virtual
Reality school, Optima
Academy Online

Management

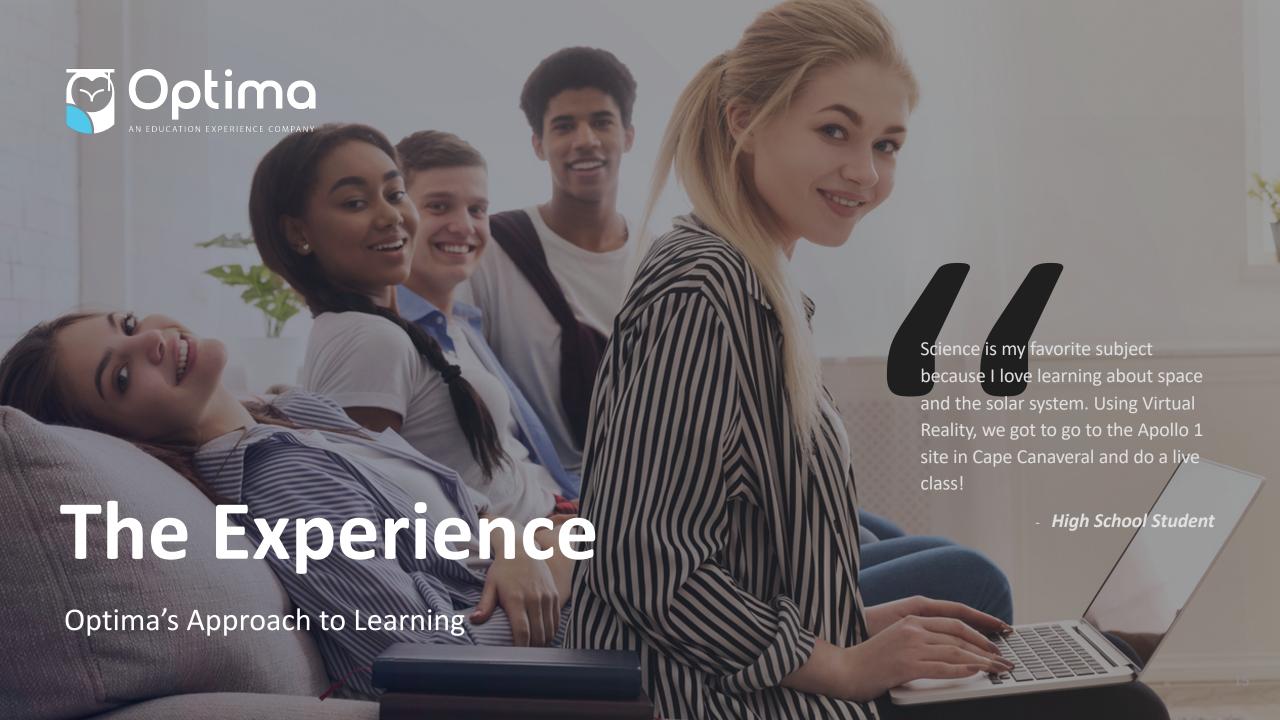


Optima offers hardware management solutions that help schools provide safety and security for faculty, students, and personal data.

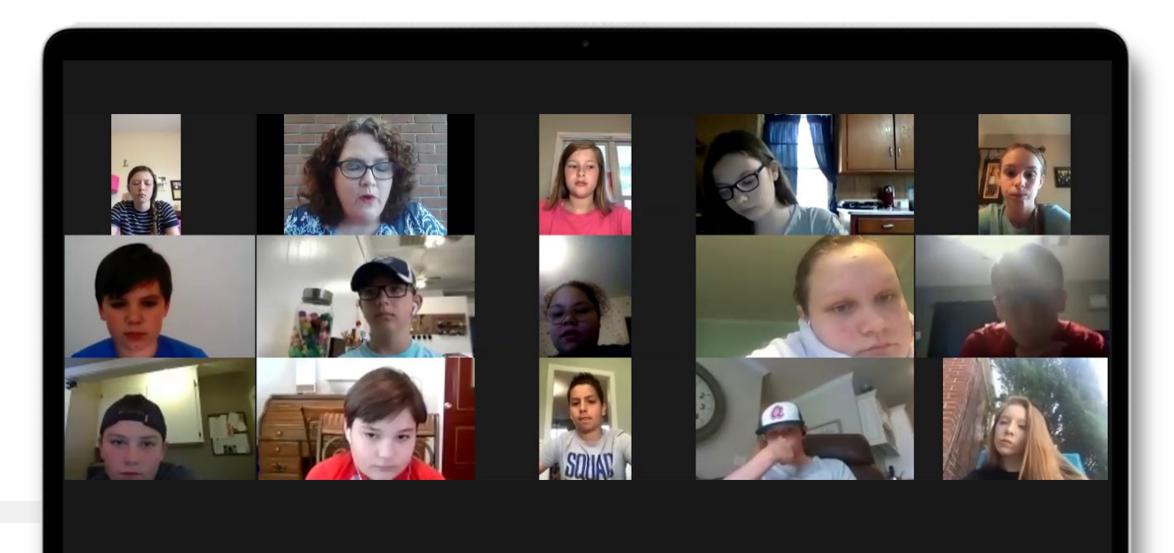
Training



Optima's internationally recognized professional development equips teachers and other trainers to use VR effectively and efficiently.



Other Online Learning



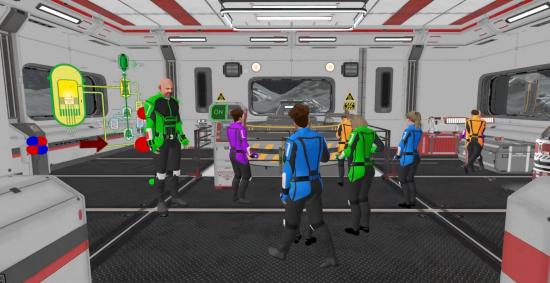


PRODUCTS & SERVICES

Optima in the Classroom







Optima Content Library

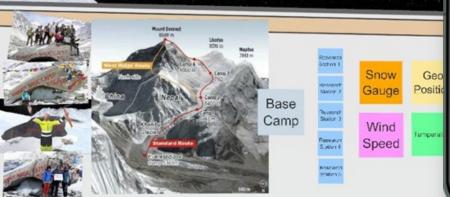
- 250+ immersive locations
- 40+ field trips
- 7000+ IFX (3D Objects)
- 30+ historical AI characters
- Host up to 70 students at any one time





Engaging Relevant Coursework







Welcome to a unique place called the Khumbu Icefall. This is on Mount Everest, not too far from Base Camp. Climbing to Everest's top is dangerous, and this is one of the riskiest spots. Here, how air and water move impacts our local weather.

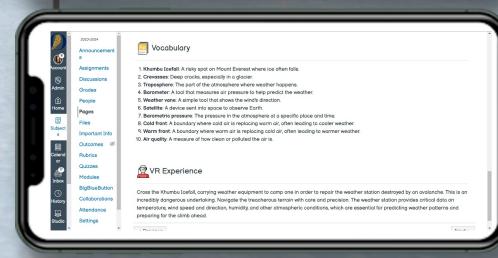
The Khumbu Glacier is fascinating. It moves down Everest about 3 to 4 feet each day. Think about a chunk of ice that takes around 4.3 years to get from the top to the bottom of the icefall. During this time, it gets reshaped and broken apart, leading to deep cracks called crevasses.

Climbers have to be very careful here. The glacier is always moving, and huge blocks of ice can fall without warning. Even with the help of ropes and ladders, crossing the Khumbu Icefall has been fatal for many climbers. However, no deaths have been recorded here from 2017 to 2021.

Let's delve into the fascinating world of weather, a term that encompasses the various phenomena we observe in the sky, whether it's hot or cold, wet or dry. These phenomena primarily occur in the troposphere, the lowest layer of Earth's atmosphere and the one we interact with daily.

Human civilization has always been intricately linked with the weather. Our ancestors, dependent on hunting and gathering, needed to understand seasonal changes to survive. Today, farmers rely on accurate weather forecasts to plan their agricultural activities, such as sowing seeds or harvesting crops. Additionally, weather









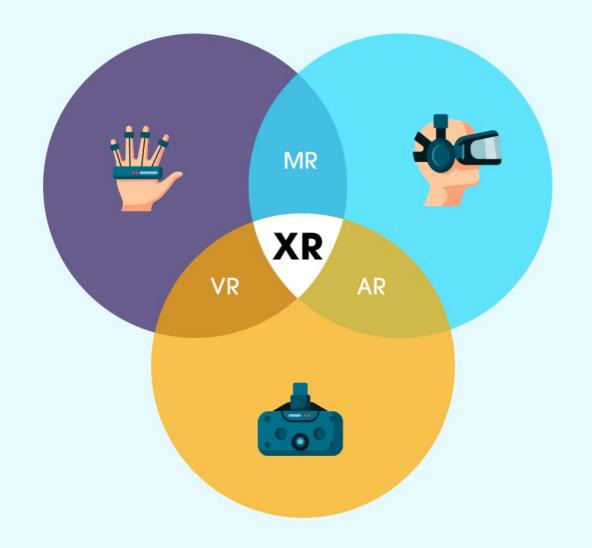
AN INTERVIEW WITH

ROSA PARKS

AI-GENERATED AVATAR



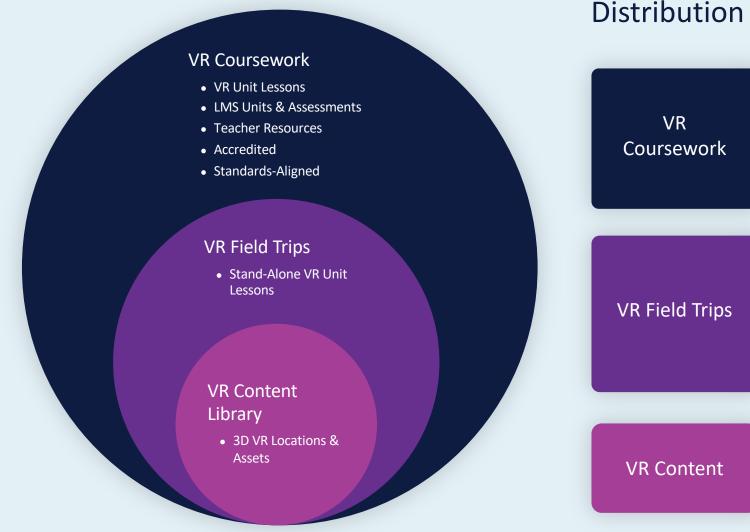






Demo time!

Products



Distribution Channels

- Direct-to-Consumer: Optima Academy
 Online (Our Teachers)
- B2B: Schools & Districts (Their Teachers)

- Direct-to-Consumer
 - Education Scholarship Accounts (ESAs)
- Private Pay
- B2B: Schools & Districts
- · SAAS/Subscription Model

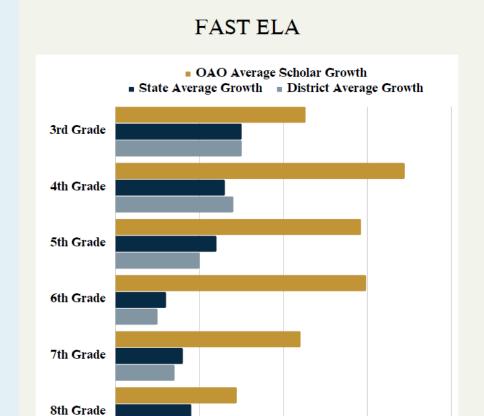
- B2B: Schools & Districts
- SAAS/Subscription Model

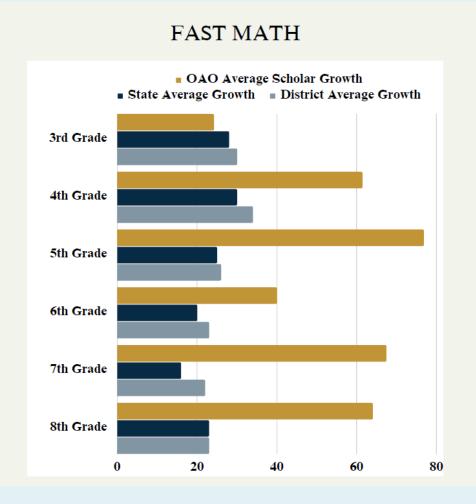
OUTSTANDING ACADEMIC GROWTH

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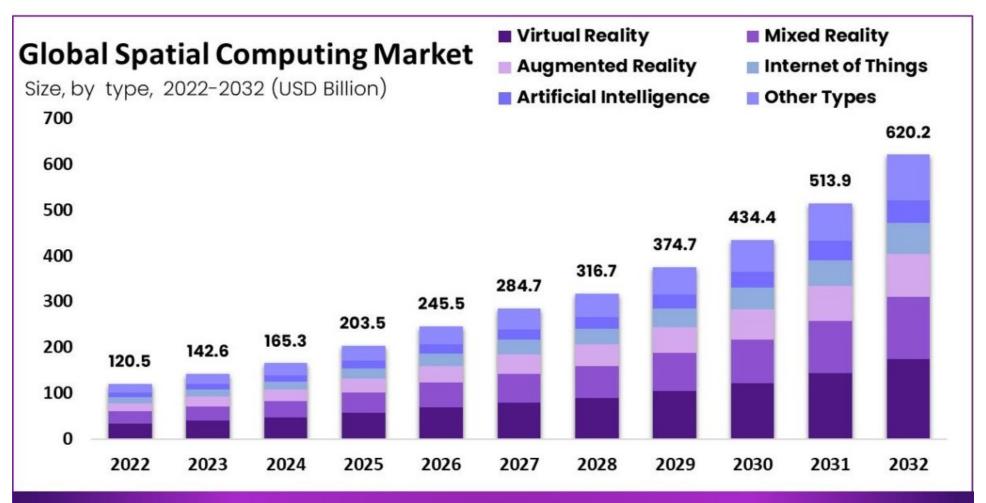
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Is the internet moving into 3 dimensions?

Quickly gather into groups of 2 or 3 and discuss.

Consider the evolution of the internet from basic web pages to today's complex applications.

How do you think this evolution in immersive computing and Al will impact the classroom in the next decade?"

Summary



Ongoing research illustrates VR learning significantly enhances traditional learning methods



Optima is the premier VR education resource provider in the world



Optima's extensive content library, field trips, courses, and professional development provide a full spectrum of VR solutions



Optima's commitment to ongoing support and customer service helps ensure the success of your implementation







Scan to Book a Meeting

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