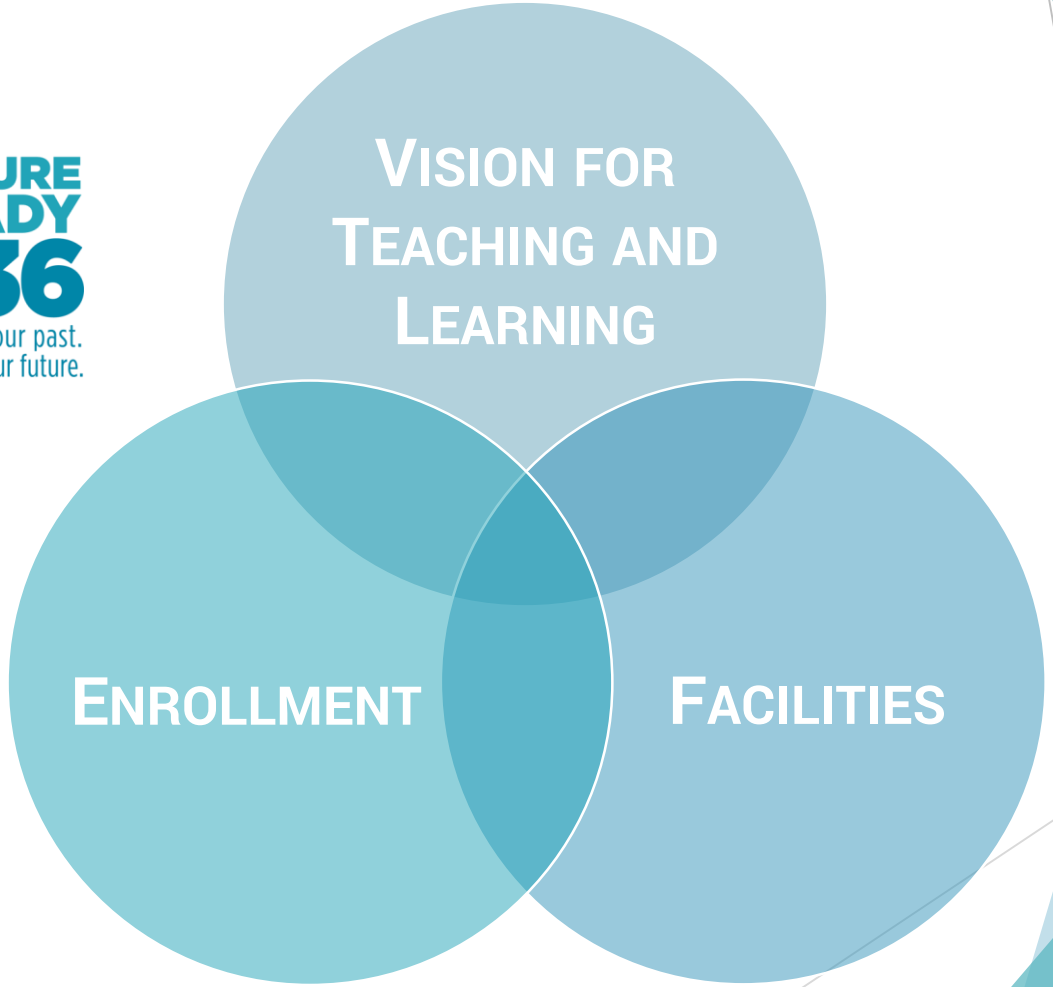

DLR Group
GLOBAL PERSPECTIVES
THE FUTURE OF EDUCATION AND THE FACILITIES ROLE IN CREATING SUCCESS

Why?

FUTURE READY D36

Honoring our past.
Planning our future.



The Winnetka Public Schools District 36

ENROLLMENT

Overall **declining** enrollment

Imbalance among 3 elementary schools' enrollments

Commitment to class size & **consistent** programming

Short-term solution: all Kindergarteners at Greeley & Hubbard Woods

FACILITIES

Cost/benefit of **maintaining** aging infrastructure

Greeley School, Hubbard Woods School, and the Skokie School are at or near **100 years old**

Updates, repairs, and replacements needed at all schools

VISION FOR TEACHING & LEARNING

Congruency with current needs of education

Forward thinking for the future needs

Continue to provide **engaging, progressive approach** to meet the needs of the current and **future generations of learners**

D36's Progressive Identity

THE WHOLE CHILD

Individualized Learning

EXPERIENTIAL LEARNING

Progressive Ed 2.0

How can modern neuroscience and 21st century learning tools and environments help us to reimagine what is possible for our future generations?

Global Leadership.
World Class Innovation.
Award Winning Planning & Design.

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#1 Primary and Secondary Education Firm in the World.

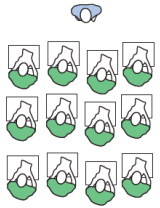
pur·pose

ˈpərpəs/

the reason for which something is done or created or for which something exists.

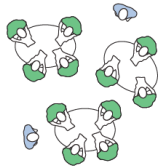
Research

1: Teacher facilitated presentation, direct instruction or large group discussion.



2: Teacher facilitated small group discussion or instruction.

3: Team teacher facilitated presentation, direct instruction or large group discussion.



4: Collaborative/shared learning, supported by teachers as needed.

5: One-on-one instruction.

6: Individual learning.

Figure 2: Typology of teaching approaches.

Figure 1: Dovey and Fisher's (2014) learning spaces types, as adapted in Imms, Cleveland, and Fisher (2016).

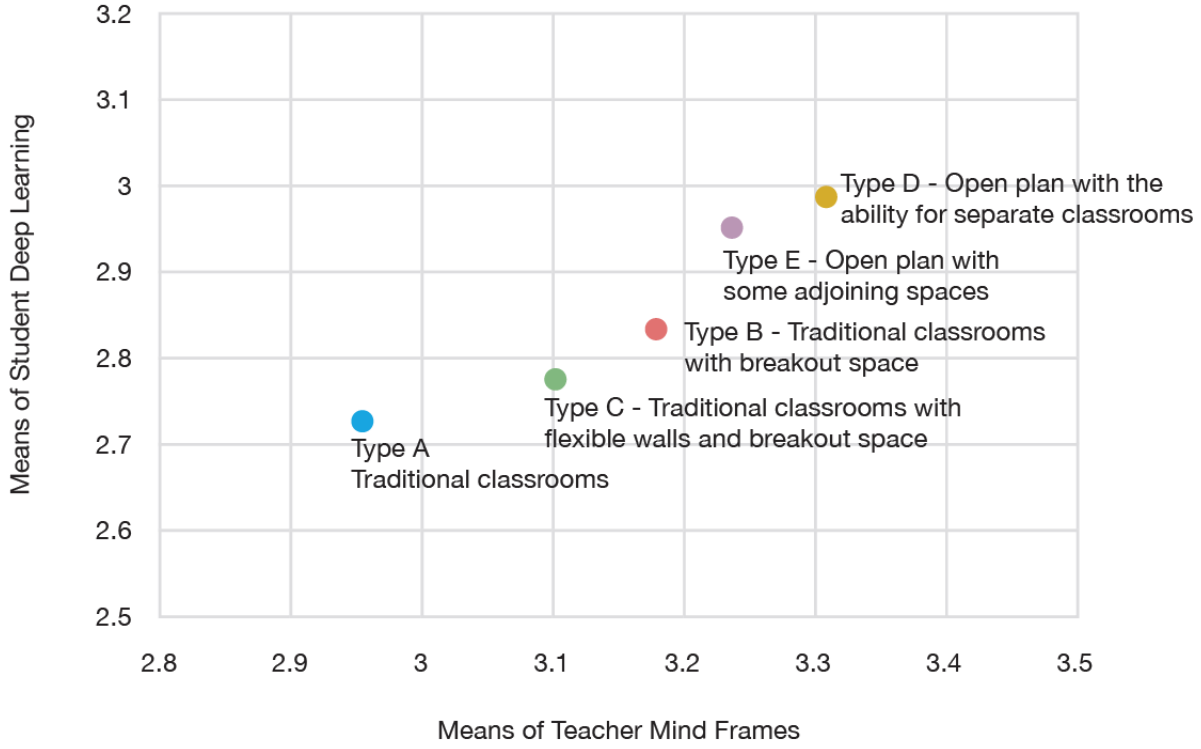
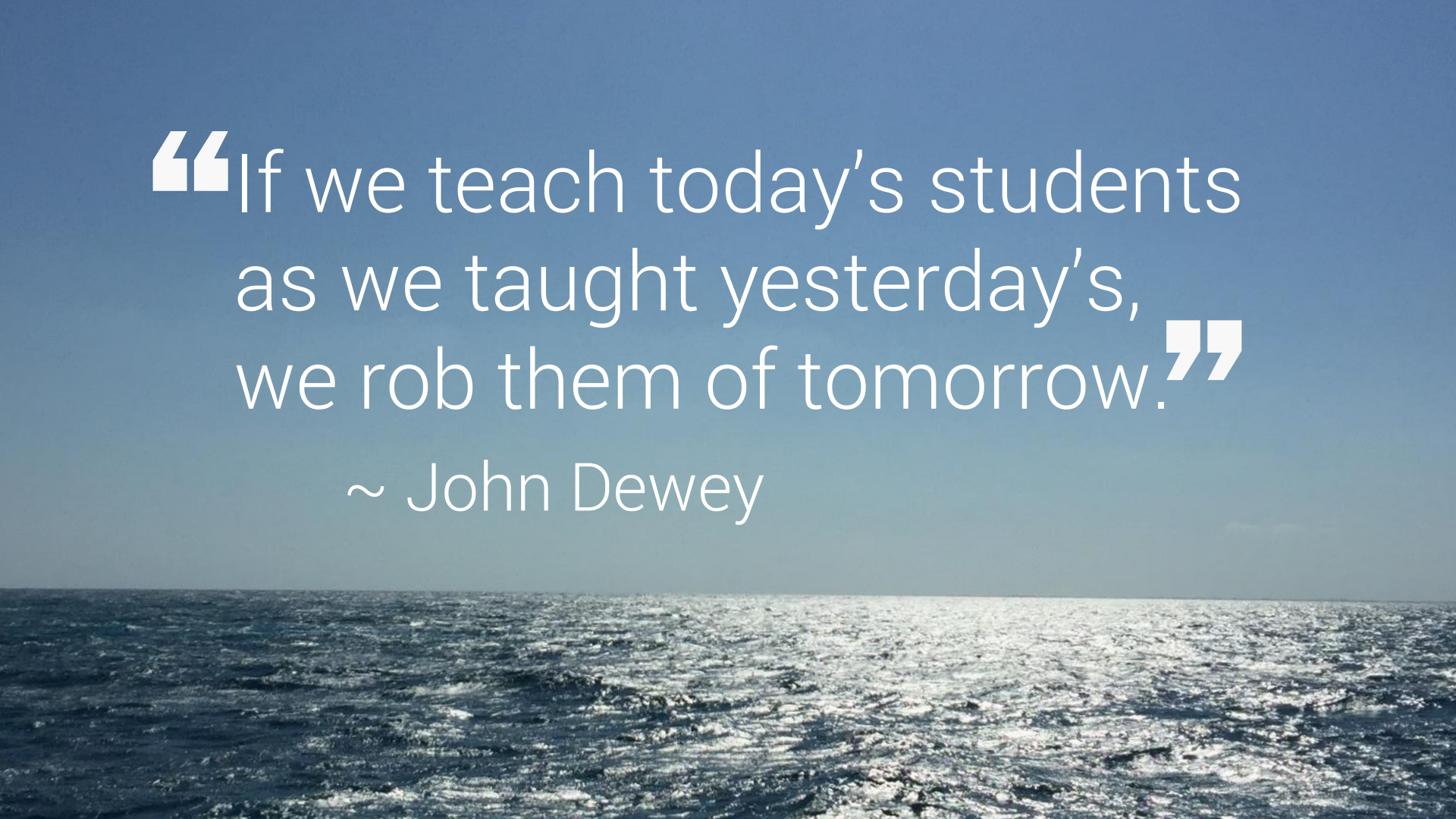


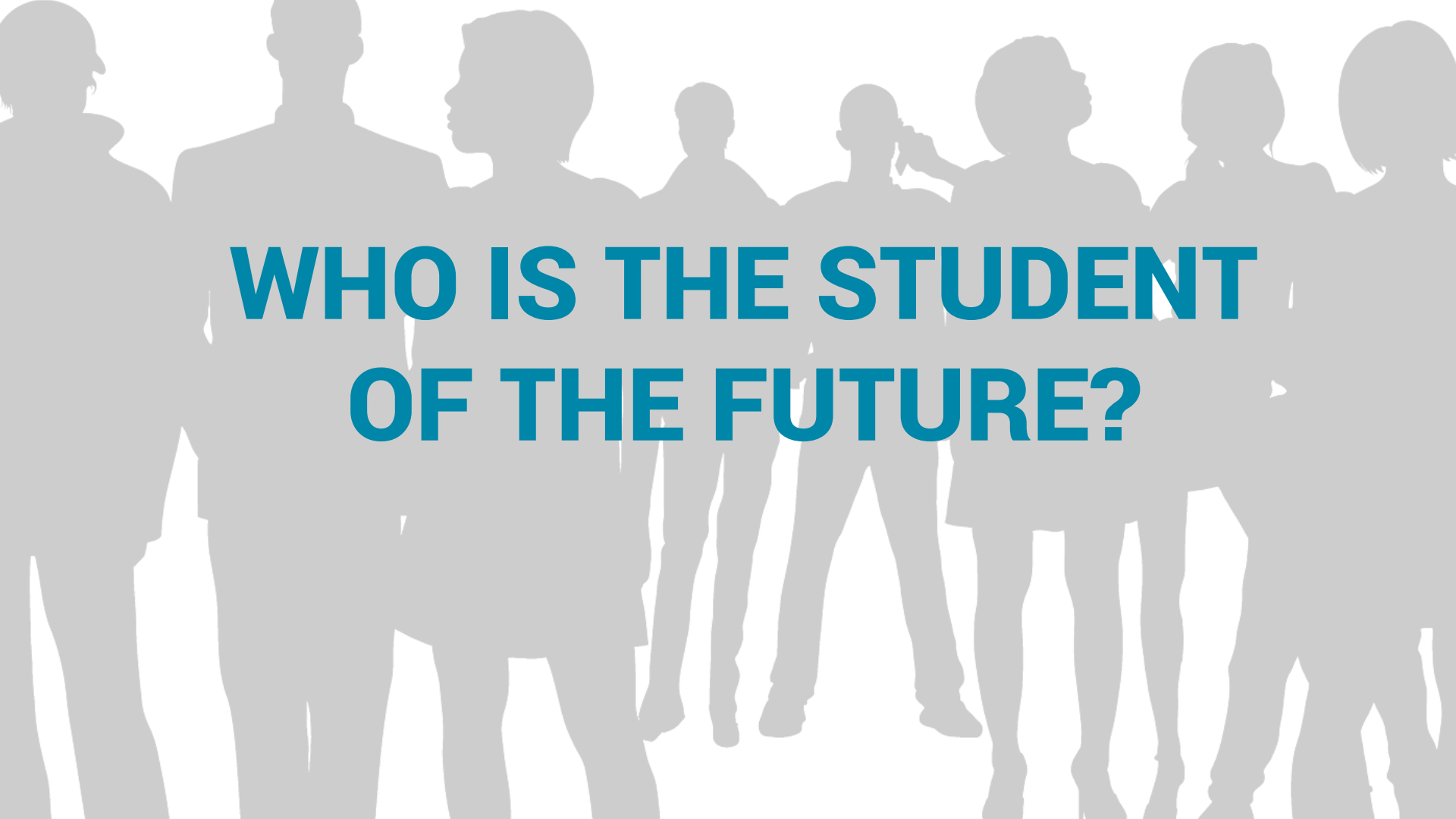
Figure 10: Means of teacher mind frames and student deep learning categorised by most prevalent learning environment type (*n=822*).


“If we teach today’s students as we taught yesterday’s, we rob them of tomorrow.”
~ John Dewey

CHANGE HAS BECOME A CONSTANT.

NEW TRIER

HIGH SCHOOL


WHO IS THE STUDENT
OF THE FUTURE?

generation y

born 1982-2003
17-38 yrs. old in 2020

24%
US population

1 in 3
university education

spend their day

generation z

born 2004-present
0-18 yrs. old in 2020

25+%
US population

1 in 2
university education

spend their day

communicate

think

stuff

personal information

communicate

think

stuff

personal information

25% of 13 to 17 year olds left facebook in 2014

generation z

3 yrs average length of time in a job

5 average number of careers

jobs of 2020

- healthcare
- mobile tech
- construction
- stem
- security

71% of all jobs are stem related

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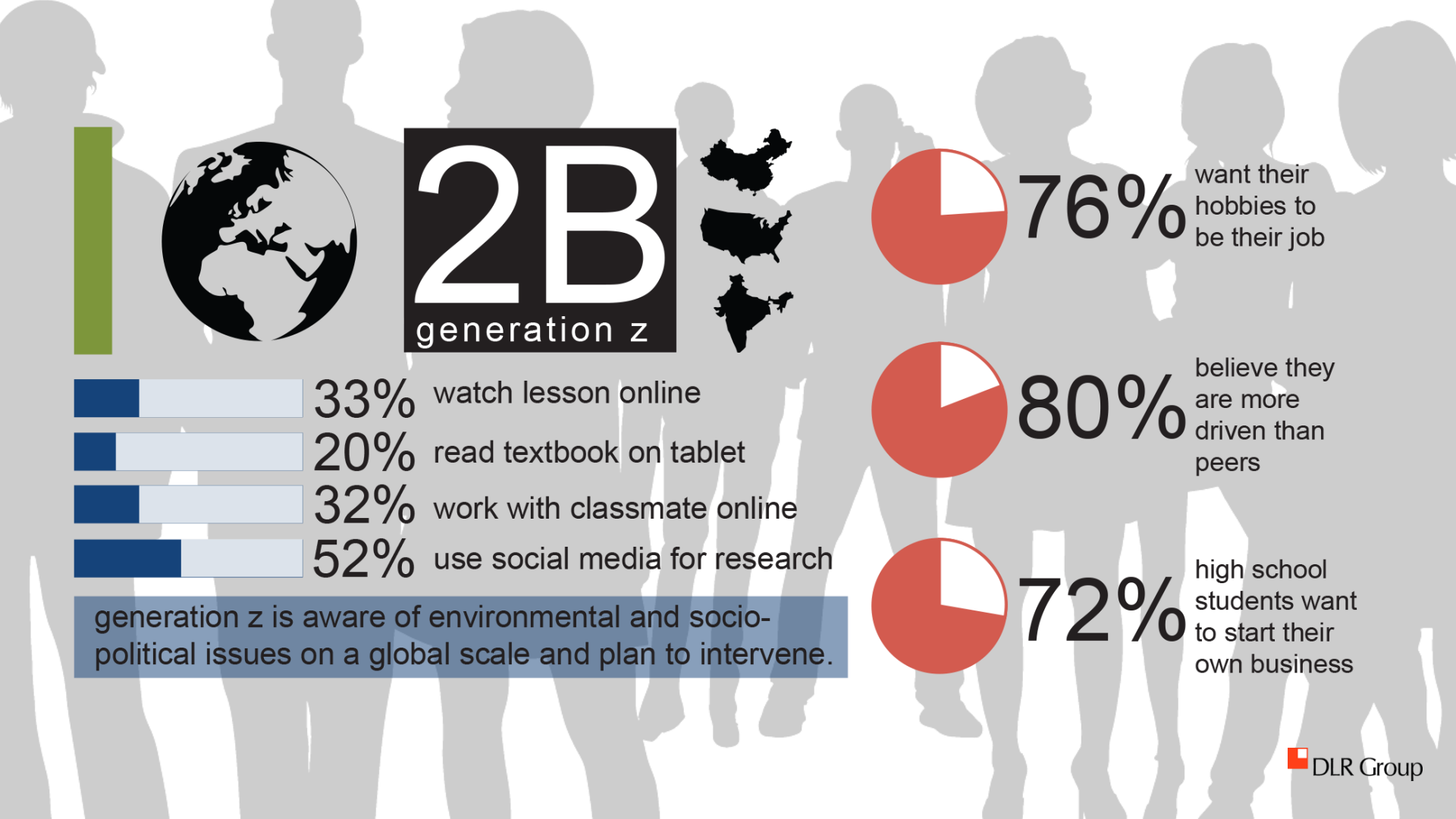
2B
generation z
33% watch lesson online
20% read textbook on tablet
32% work with classmate online
52% use social media for research
generation z is aware of environmental and socio-political issues on a global scale and plan to intervene.
76% want their hobbies to be their job
80% believe they are more driven than peers
72% high school students want to start their own business
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More than 50% of children entering grade school this year will end up working in careers that haven't even been invented yet.

SOURCE: " Future Work Trends and Challenges for Work in the 21st Century," U.S. Department of Labor

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MEET GEN ALPHA

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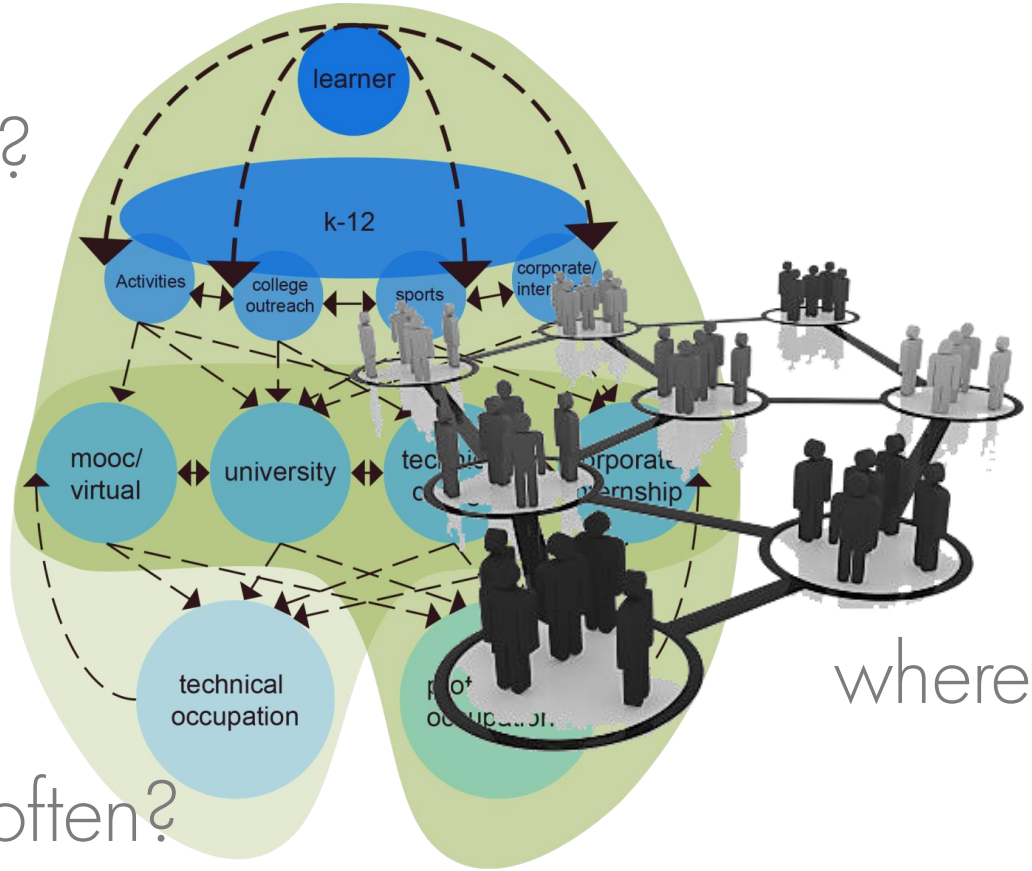
when?

how?

how often?

SCHEDULE



where?

MULTI-DIRECTIONAL

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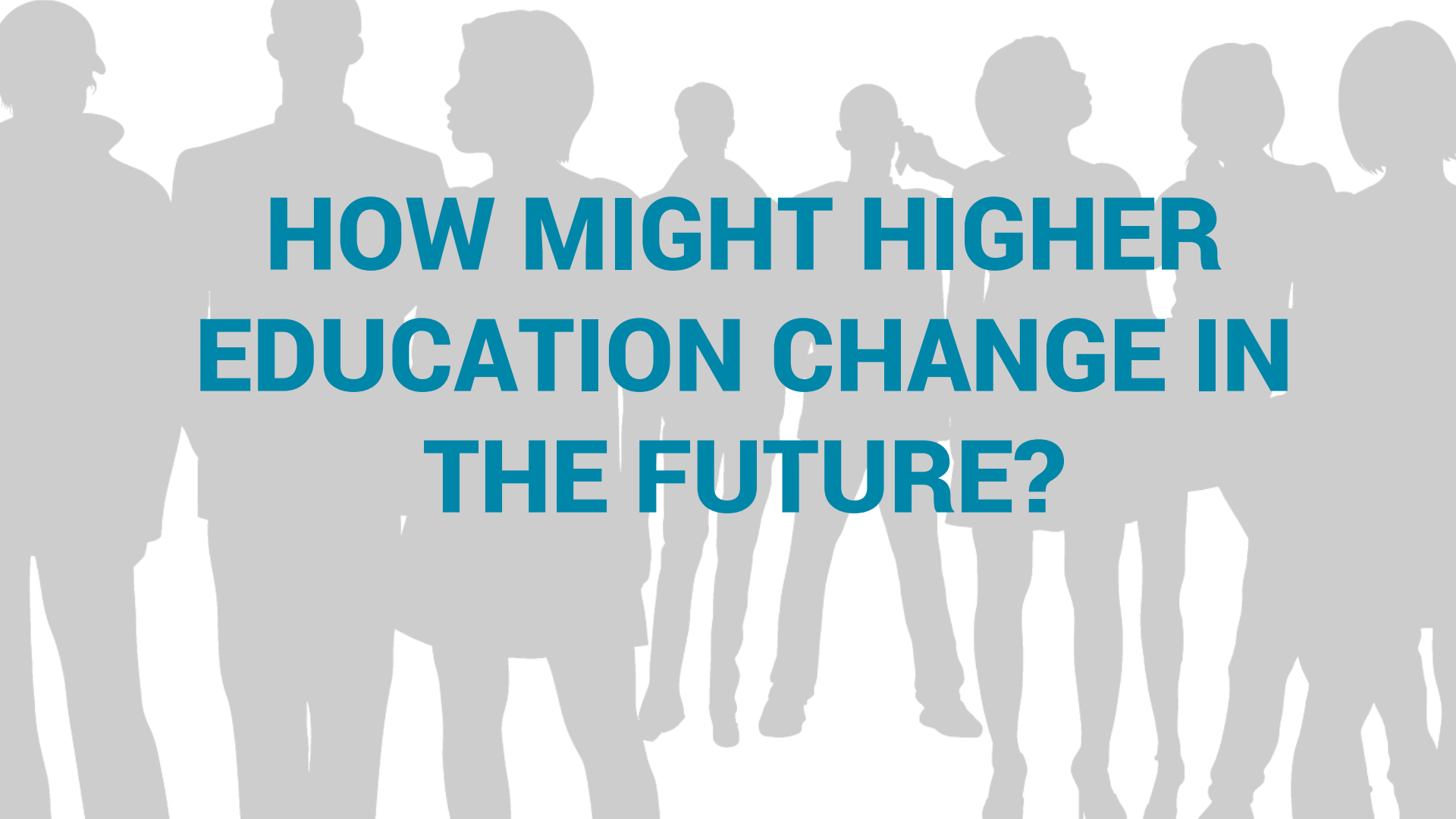
HOW MIGHT HIGHER EDUCATION CHANGE IN THE FUTURE?

2027

FUTURE READY D36

Honoring our past.
Planning our future.

Headlines!

Headlines!

Headlines!

a part of

IS TECHNOLOGY^YOUR "HEADLINE"?

VIRTUAL LEARNING

blended

tutor/group

distance

MOOC

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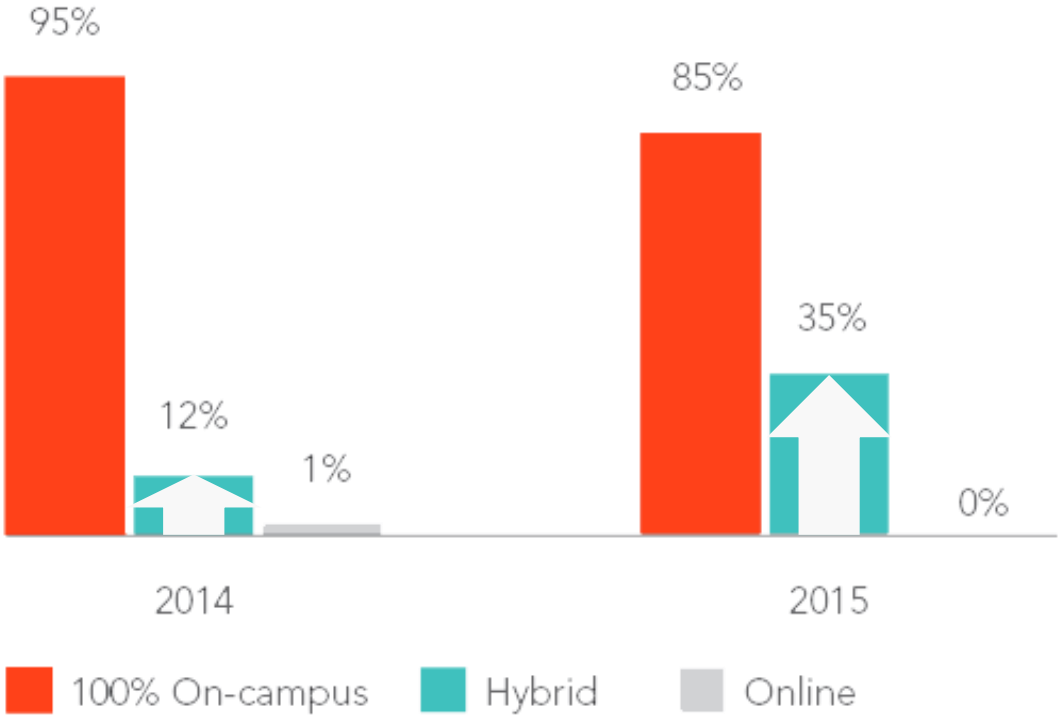
Expectations for Course Delivery



NOTE: Respondents were allowed to select more than one response.

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Source: Eduventures

VIRTUAL

Opportunities

access to material

flexibility

operational savings

tuition savings

personalization

Challenges

of interactions

time spent interacting

speaking time

physical activity level

activity/discussion levels

Students taking hybrid courses performed tasks 30% more accurately than their peers in on-line only groups.

They were also 41% faster at their task.

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Source: Kiser, K. (2002). Is blended best? E-Learning, 3(6), 10.

WORK

LEARNING

PLACE

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WORK PLACE

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The time managers and employees spend on collaborative activities has increased by more than 50% in the past 20 years.

[Source: Harvard Business Review]

DRIVERS OF CHANGE

Technology
Globalization
Workforce Diversity
Communication Tools
Wellbeing
Pursuit of Meaning
Social & Environmental Consciousness

Ten hottest careers for college graduates

1. Software developers, applications
2. Software developers, systems software
3. Accountants and auditors
4. Market research analysts and marketing specialists
5. Cost estimators
6. Computer network architects
7. Management analysts
8. Personal finance analysts
9. Elementary school teachers
10. Financial analysts

SOURCE: Forbes

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TODAY'S WORKPLACE

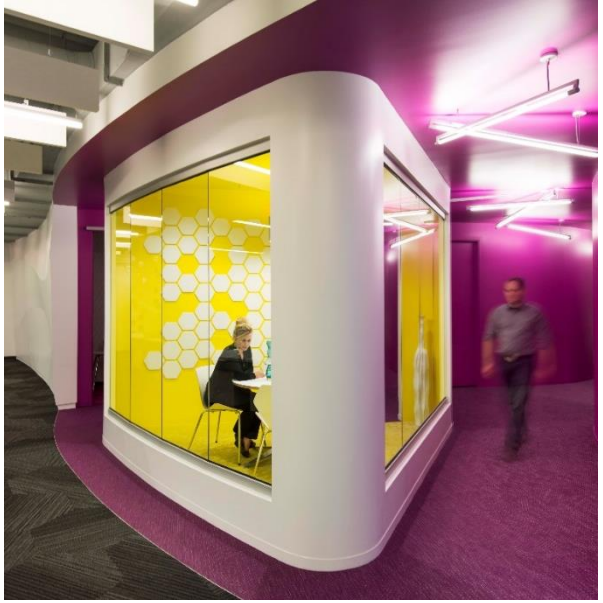
A metamorphoses of generations

- 77 million millennials – more than ½ of workforce
- Baby boomers working into their 70s and 80s

Career hopping

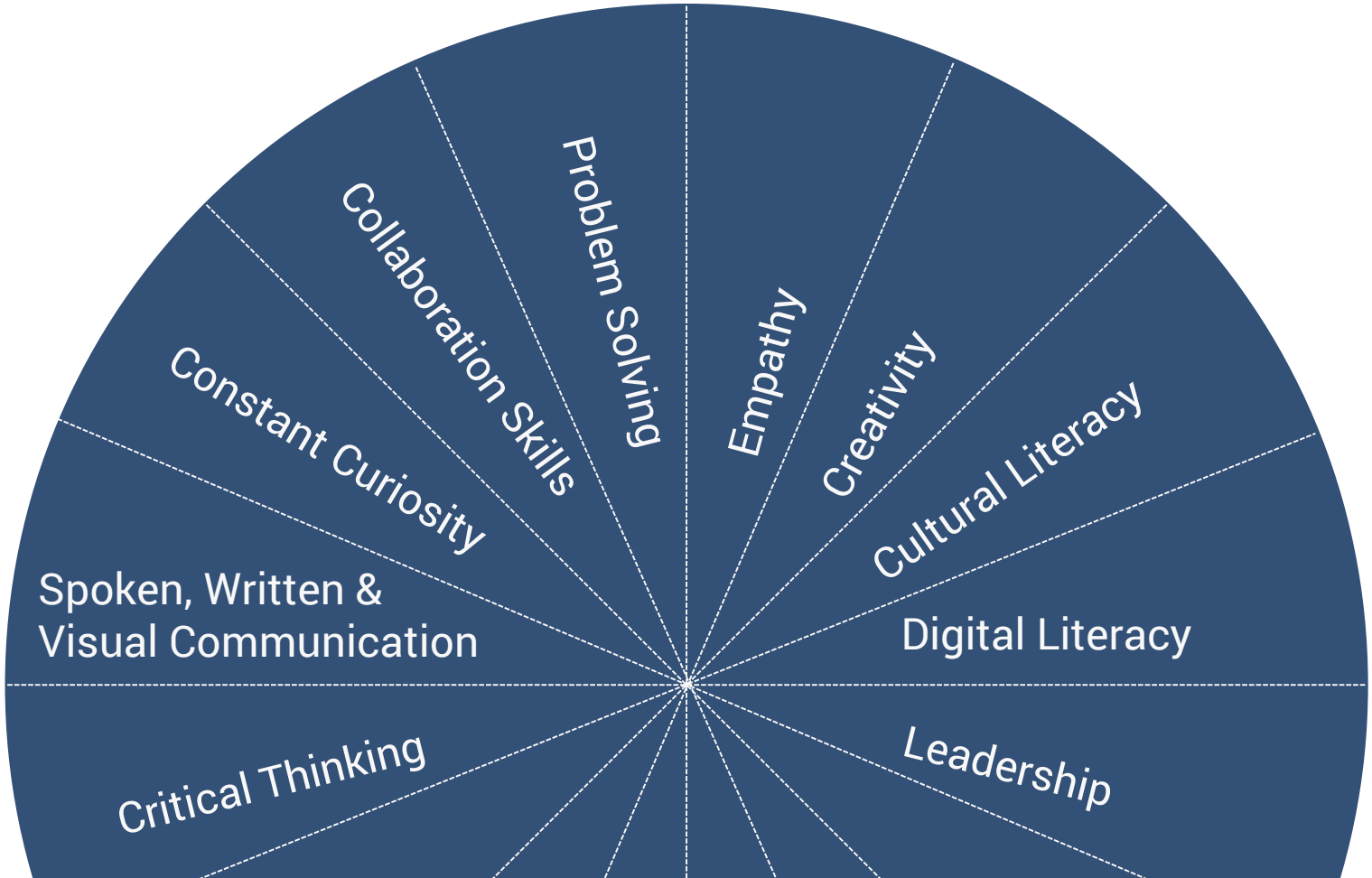
- 50% of employees plan to stay for 2 years or less

WORK MODES



FREE
ADDRESS

WORKER TRAITS IN THE FUTURE



LEARNING PLACES

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Planning our future.

TODAY'S FACILITIES: EDUCATIONAL ADEQUACY

FUTURE FACILITIES: EDUCATIONAL READINESS

FUTURE FACILITY READINESS

TIER ONE: EVOLVED TRADITIONAL
TIER TWO: DIFFERENTIATION (NEAR)
TIER THREE: PLURALITY
TIER FOUR: IMMERSIVE

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READINESS TIER ONE:
EVOLVED TRADITIONAL

- Multiple teaching surfaces
- Able to support multiple modalities
- Furniture, Furniture, Furniture
- Zone/sub-divide the classroom space
- Student ownership of arrangement

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Holden
UniversityCenter
at Lakeland Community College


Goals this Year
Due this Friday at
NO LATE ASSIGNM TS

READINESS TIER TWO:
DIFFERENTIATION (NEAR)

- Increased collaboration
- Multiple cohorts
- Fluidity of space (semi-contained)
- Co-ownership

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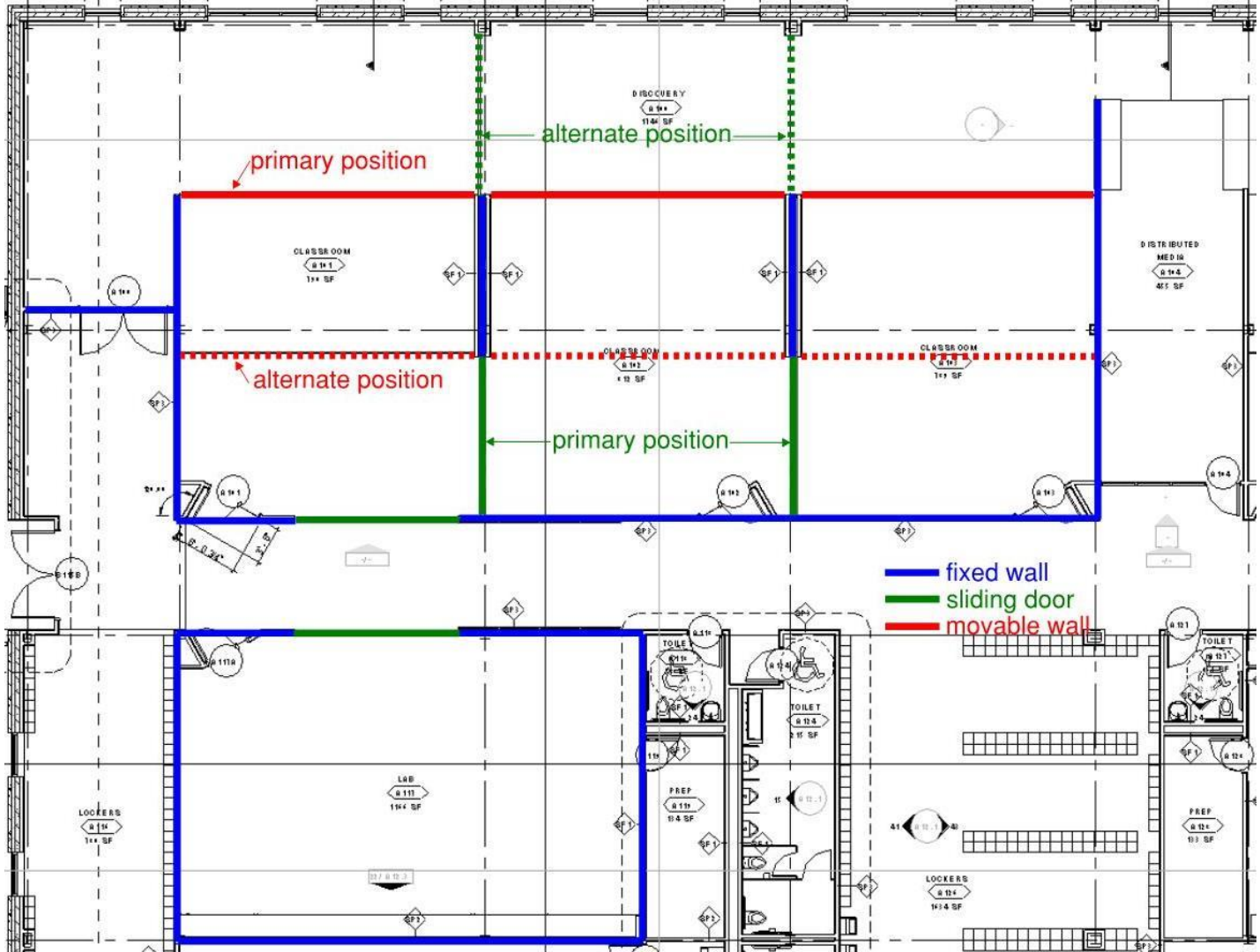
alternate position
primary position
alternate position
primary position
fixed wall
sliding door
movable wall

READINESS TIER THREE:
PLURALITY

- Building upon Tier Two…
- Adjacent/specific resources
- Full campus access
- Free access to outdoors
- Community & Global connectivity

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Structure

Reciprocal Relationships	Co-Curricular Topic Centered	Academy Model Topic Centered

Focus

Multiple Pts Of Access/Use	Ownership & Exploration	Ownership & Exploration

Key Attribute

Community is a True Partner	Teacher as Mentor	Freedom of Movement

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work
rest
play
Is it possible for us to imagine
the experience of trench warfare?
Living conditions
Yes, what it
looked like
Medical conditions
Not what it
felt like
Fighting conditions
CO-LAB
DLR Group


CO-LAB
DLR Group


CO-LAB
BLR Group


CO-LAB

READINESS TIER FOUR:
IMMERSIVE

Tech Based:

- All five senses
- Augmented Reality
- Interactive holographic images

Authentic:

- Off campus / On location

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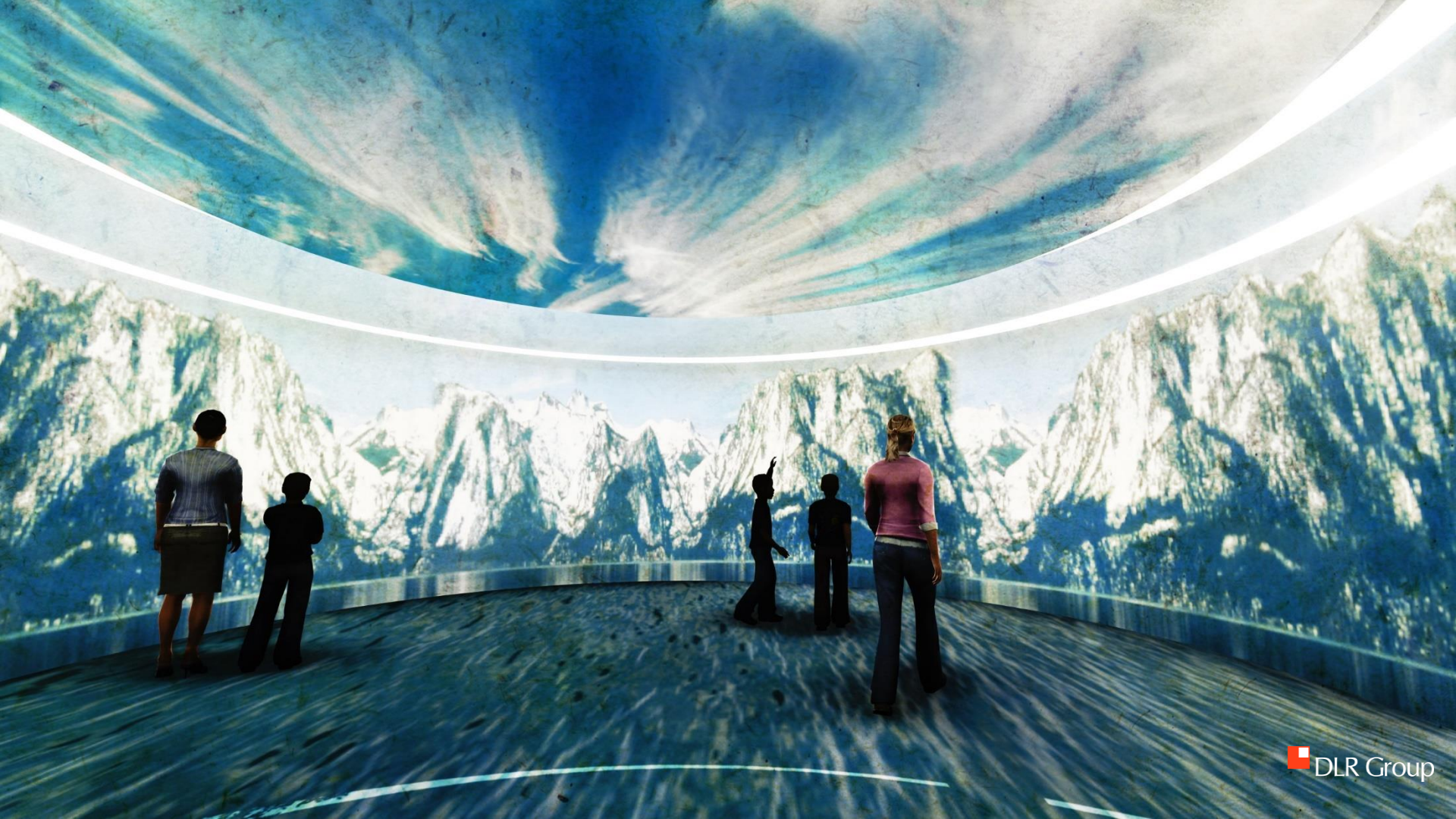
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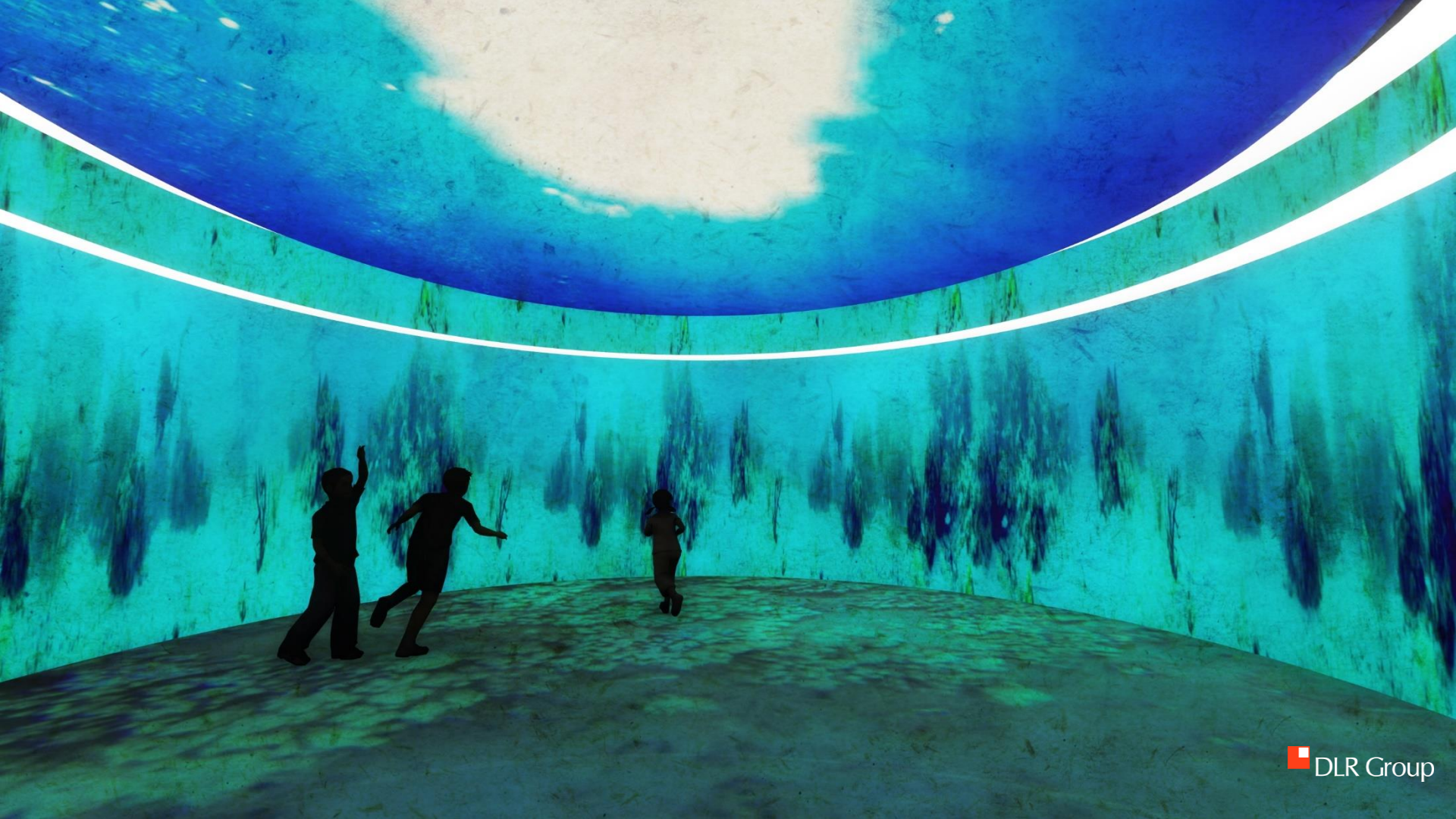
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FUTURE READY D36

Honoring our past.
Planning our future.

We See...

FUTURE READY D36

Honoring our past.
Planning our future.

THANK YOU!