

# ***Sharing what Stakeholders want in Schools of the Future: A Quantitative Study***

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# Purpose

- This purpose of the shared study was to identify what various stakeholders indicate are the school environment, instructional focus, school design features related to both instruction and safety, and key components of the school of the future.



# Learning Objectives

- The participants will be able to identify the aggregate perceptions of school personnel related to school instructional design features.
- The participants will be able to identify the aggregate perceptions of school personnel related to school safety design features.
- The participants will be able to project design feature alterations in response to the study findings.
- The participants will be able to provide suggestions for next steps in identifying what school and architecture personnel indicate are needed considerations in future design.



# Methodology & Participants

- A survey was shared with school stakeholders and architects.
- 122 Responses
  - 51% were school leaders
  - 14% were central office administrators
  - 13% were school level teachers
  - 7% were superintendents
  - 6% were parents or other community member
  - 3% were architects
  - remaining responded as other



# Who should be involved in the School Facility Planning Process?

Response	Count	Percent
Teachers	119	97.54%
Administrators	118	96.72%
Architects/Designers	112	91.80%
Parents	106	86.89%
Students	105	86.07%
Community leaders	82	67.21%



# What types of learning experiences should be offered in a future new school?

Response	Count	Percent
Experiential learning	112	91.80%
Work-based learning experiences	103	84.43%
Community service	102	83.61%
Internships	93	76.23%
Global studies	89	72.95%
Other	9	7.38%



Response	Count	Percent
Project-based learning	107	87.70%
Collaborative group work	106	86.89%
Individual self-paced learning	60	49.18%
Gamification (using game elements in learning)	59	48.36%
Teacher-led lectures	35	28.69%
Flipped classroom (instruction at home via computer; apply learning at school)	32	26.23%
Virtual reality	18	14.75%
Other	12	9.84%

Which instructional methods do you perceive as most effective for student learning?



# Which instructional methods would be most utilized?

Response	Count	Percent
Project-based learning	91	74.59%
Collaborative learning	89	72.95%
Individual Self-paced learning	73	59.84%
Gamification	66	54.10%
Virtual reality	63	51.64%
Flipped classroom	38	31.15%
Teacher led instruction	35	28.69%
Other	5	4.10%



# What types of technology could help improve the learning experience in new schools?

Response	count	percent
Collaborative online platforms	99	81.15%
High-speed internet access	94	77.05%
1:1 device ratio	92	75.41%
Personalized learning software	91	74.59%
Virtual and augmented reality tools	78	63.93%
Sensory learning devices	67	54.92%
Other	4	3.28%

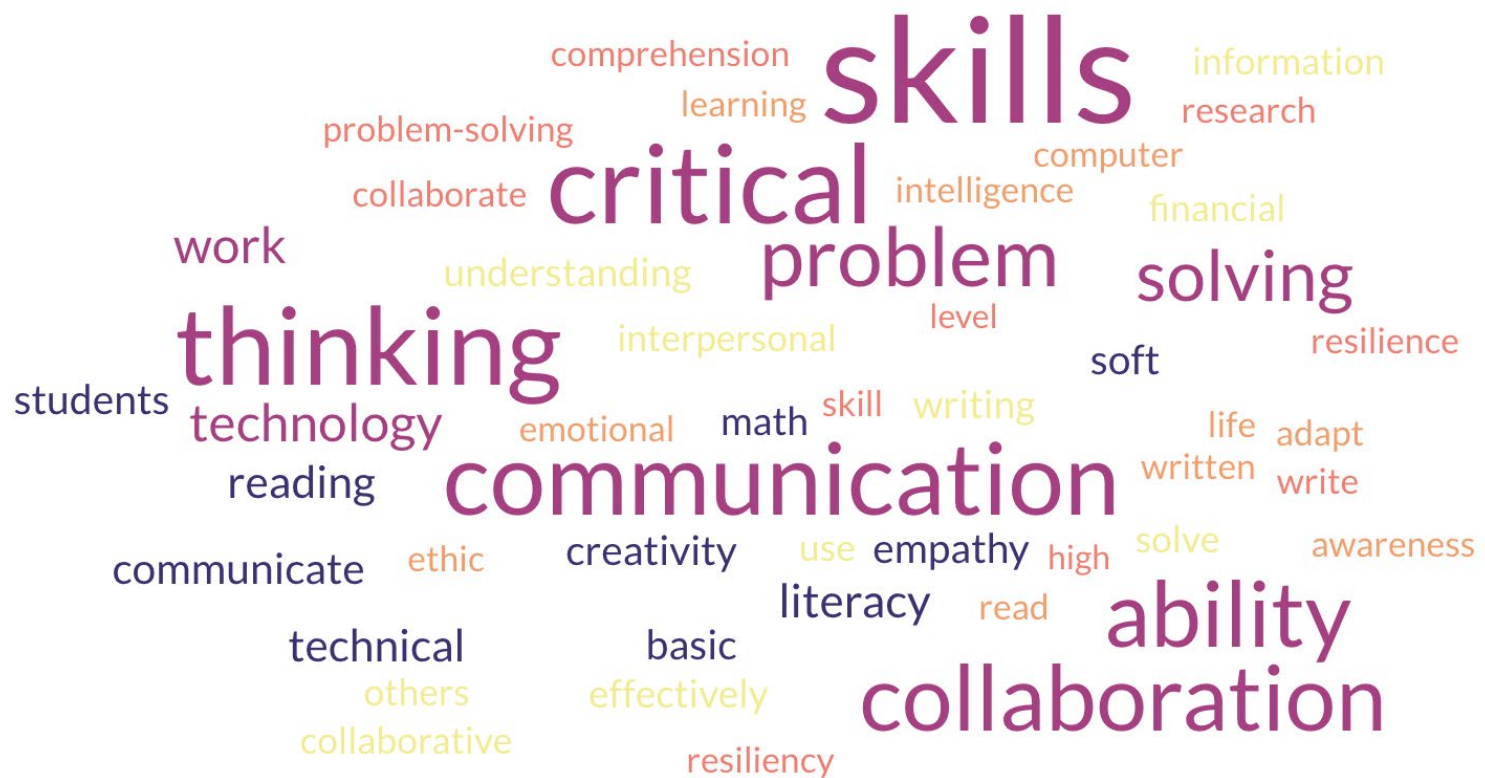
# Should a new school focus on developing technical skills or soft skills?

Response	Count	Percent
Technical skills	6	4.92%
Soft skills	8	6.56%
Both equally	107	87.70%





# What are the top three skills that students should possess when graduating from a new school?



# Which design features from a provided list do you believe are essential for a new school?

Response	Count	Percent
Technology integration	105	86.07%
Natural lighting	96	78.69%
Outdoor learning spaces	95	77.87%
Flexible furniture	88	72.13%
Open Learning spaces	81	66.39%
Green spaces	63	51.64%
other	5	4.10%



# Which environmental factor do you believe should be a priority in the design of a new school?

Response	Count	Percent
Sustainability	58	47.54%
Indoor air quality	33	27.05%
Natural ventilation	12	9.84%
Acoustic comfort	10	8.20%
Other	8	6.56%

# How would you rate the current safety features of schools?

Response	Count	Percent
Effective	29	23.97%
Somewhat effective	71	58.68%
Not very effective	19	15.70%
Ineffective	2	1.65%



# What physical safety features should be included to ensure a safe and secure future school?

Response	Count	Percent
Secure entryways	115	94.26%
Reinforced doors	97	79.51%
Panic buttons	88	72.13%
Well-lit hallways	88	72.13%
Intruder alarms	86	70.49%
Bulletproof windows	63	51.64%
Metal detectors	57	46.72%
Security fences	47	38.52%
Fingerprint scanners	28	22.95%
Other	11	9.02%









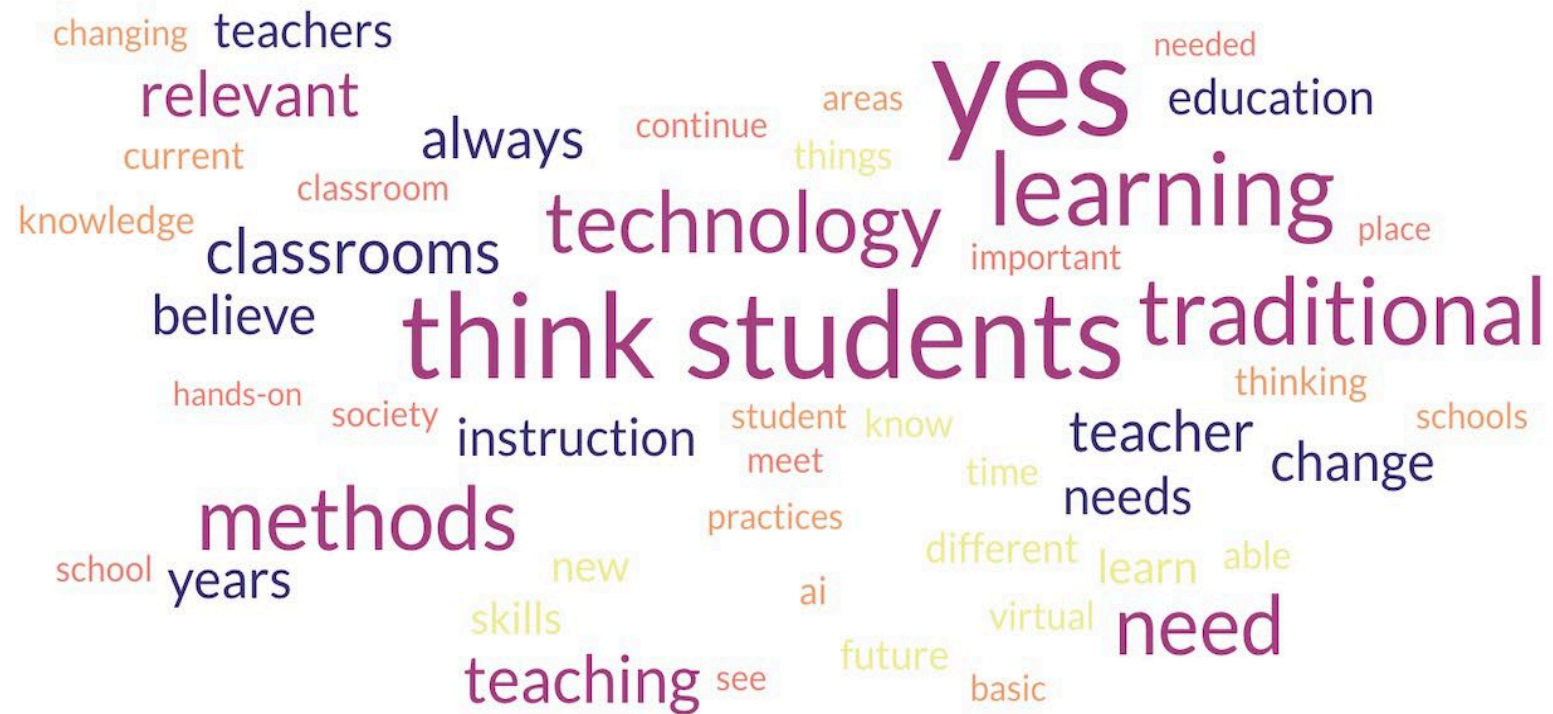
# What key component would you like to see in a future school that is currently lacking in most schools?

Response	Count	Percent
High-tech	53	43.80%
Innovative	44	36.36%
Diverse	13	10.74%
Eco-friendly	6	4.96%
Traditional	4	3.31%
Other	1	0.83%

# In 50 years, will students have more or less freedom to choose their own education path?

Response	Count	Percent
More freedom	103	85.12%
Less freedom	8	6.61%
No change	10	8.26%

Do you think traditional classrooms and teaching methods will still be relevant in 50 years? Explain.



# What do you think will be the main learning focus in schools in 50 years?

Response	Count	Percent
High-tech	53	43.80%
Innovative	44	36.36%
Diverse	13	10.74%
Eco-friendly	6	4.96%
Traditional	4	3.31%
Other	1	0.83%



# Which of the following trends do you predict for schools in 50 years?

Response	Count	Percent
AI-driven education	87	71.31%
Personalized learning	82	67.21%
Collaborative learning	66	54.10%
Blended learning	63	51.64%
Global collaboration	55	45.08%
Micro-credentials	54	44.26%
Other	3	2.46%



# How important do you think physical activity and sports will be in schools in 50 years?

Response	Count	Percent
Very important	55	45.45%
Somewhat important	56	46.28%
Not very important	8	6.61%
Not at all important	2	1.65%

Which of the following skills do you think will be most important for students to possess in 50 years?

Response	Count	Percent
Problem-solving	98	80.33%
Adaptability	89	72.95%
Communication skills	84	68.85%
Emotional intelligence	71	58.20%
Coding/programming	33	27.05%
Other	3	2.46%





# What technologies do you believe will become obsolete and no longer used in schools in 50 years?

Response	Count	Percent
Paper textbooks	97	79.51%
Desktop computers	93	76.23%
Printers	62	50.82%
Whiteboards	46	37.70%
Other	2	1.64%

# What technologies do you believe will be available and useful for schools in 50 years?

Response	Count	Percent
artificial intelligence tutors	92	75.41%
Virtual reality classrooms	89	72.95%
Smartphone integration	66	54.10%
Holographic projectors	65	53.28%
Brain-computer interfaces	50	40.98%
Robot teachers	26	21.31%

# What do you believe will be the biggest safety concerns in schools in 50 years?

Response	Count	Percent
Cybersecurity	96	78.69%
Mental health	93	76.23%
Physical security	48	39.34%
Bullying/harassment	47	38.52%
Natural disasters	35	28.69%
Other	2	1.64%



# What do you believe will be the primary design feature in schools in 50 years?

Response	Count	Percent
Flexible learning spaces	54	44.63%
Collaborative learning spaces	31	25.62%
Sustainable materials	15	12.40%
Open floor plans	10	8.26%
Green spaces	5	4.13%
Outdoor classrooms	3	2.48%
Other	3	2.48%

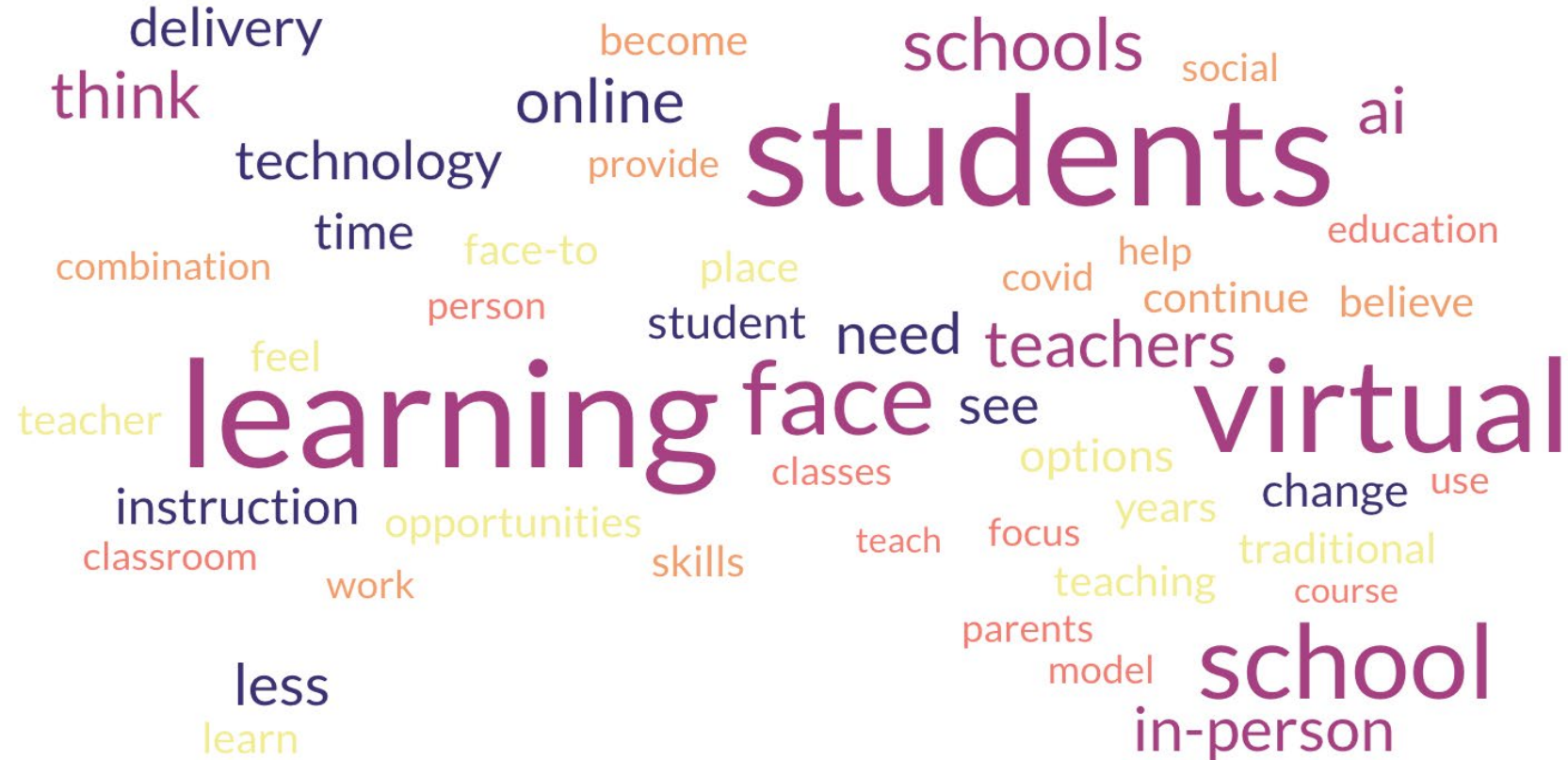




# What do you believe will be the delivery method for instruction or “schools” in 50 years?

Response	Count	Percent
Virtual	7	5.83%
Face to Face	15	12.50%
Combination of Virtual and face to face	98	81.67%

Explain more about what you see as the future delivery of "school" in 50 years.



So where does that leave the designer of schools?



# Would you like to add to the research data?



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