



ASYNCHRONOUS LEARNING IN HIGH SCHOOL

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FOCUS

The focus of this research was to discover how teachers structure their online learning classrooms. The second focus is on what skills students/teachers need to be successful in an online learning environment.



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CNBC ARTICLE – COLLEGE STUDENTS

75% are unhappy with the quality of online classes

Engagement was the biggest concern for students

75% prefer in-person or hybrid learning



THINK IMPACT ARTICLE

30% increase
of failing
grades

33% of
educators lack
support for
eLearning

71% of
educators are
concerned
about class
engagement



WHAT'S THE PROBLEM?

ONLINE LEARNING

All students in North Dakota had the option to attend school online this year at their current high school.

TEACHER STRUGGLES

Teachers struggled to adapt to the challenge of teaching students both online and in the classroom.

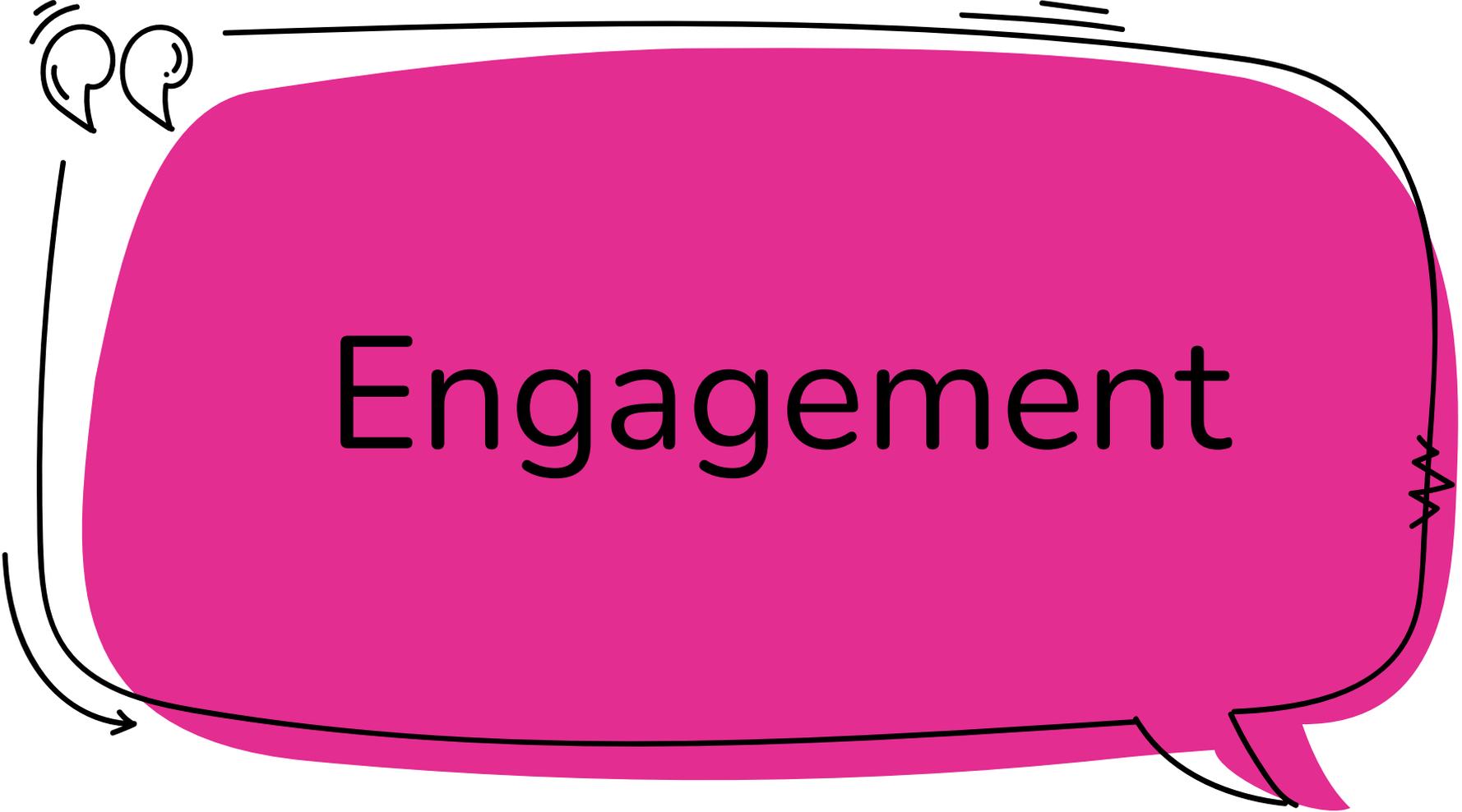
STUDENT STRUGGLES

The percentage of failing students was 30 percent at this high school as of December 2 and is not just limited to online students.

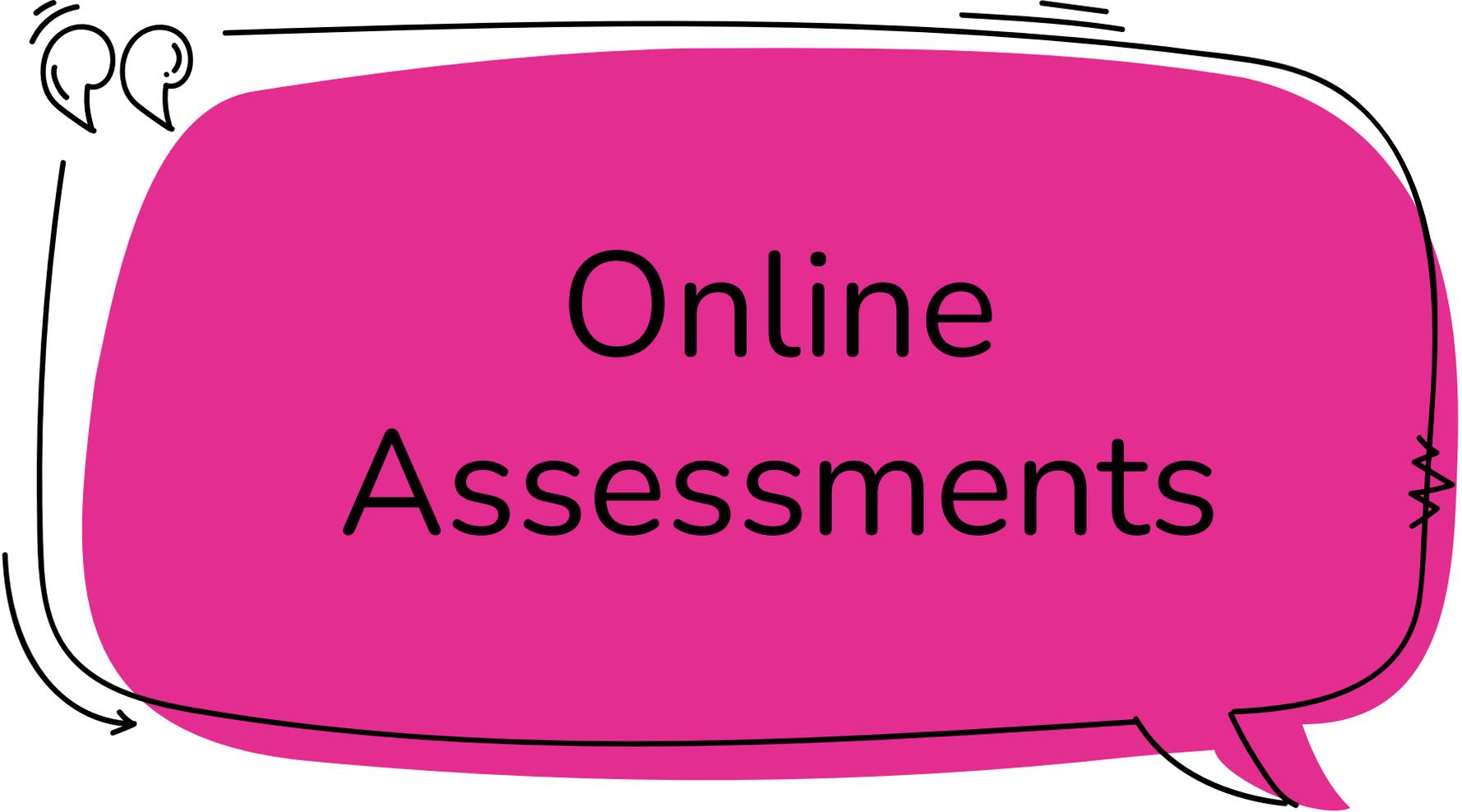




Classroom Community



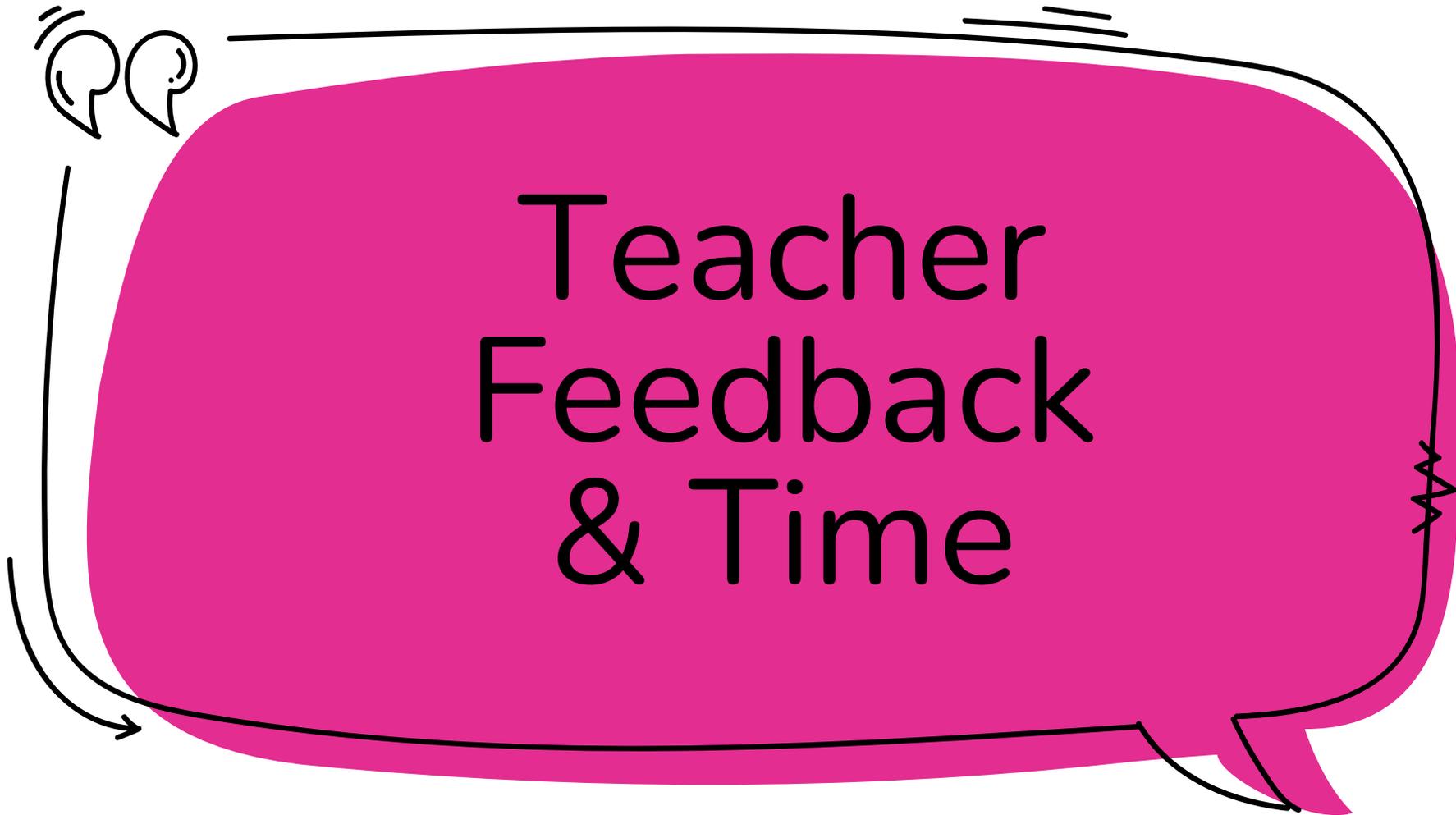
Engagement

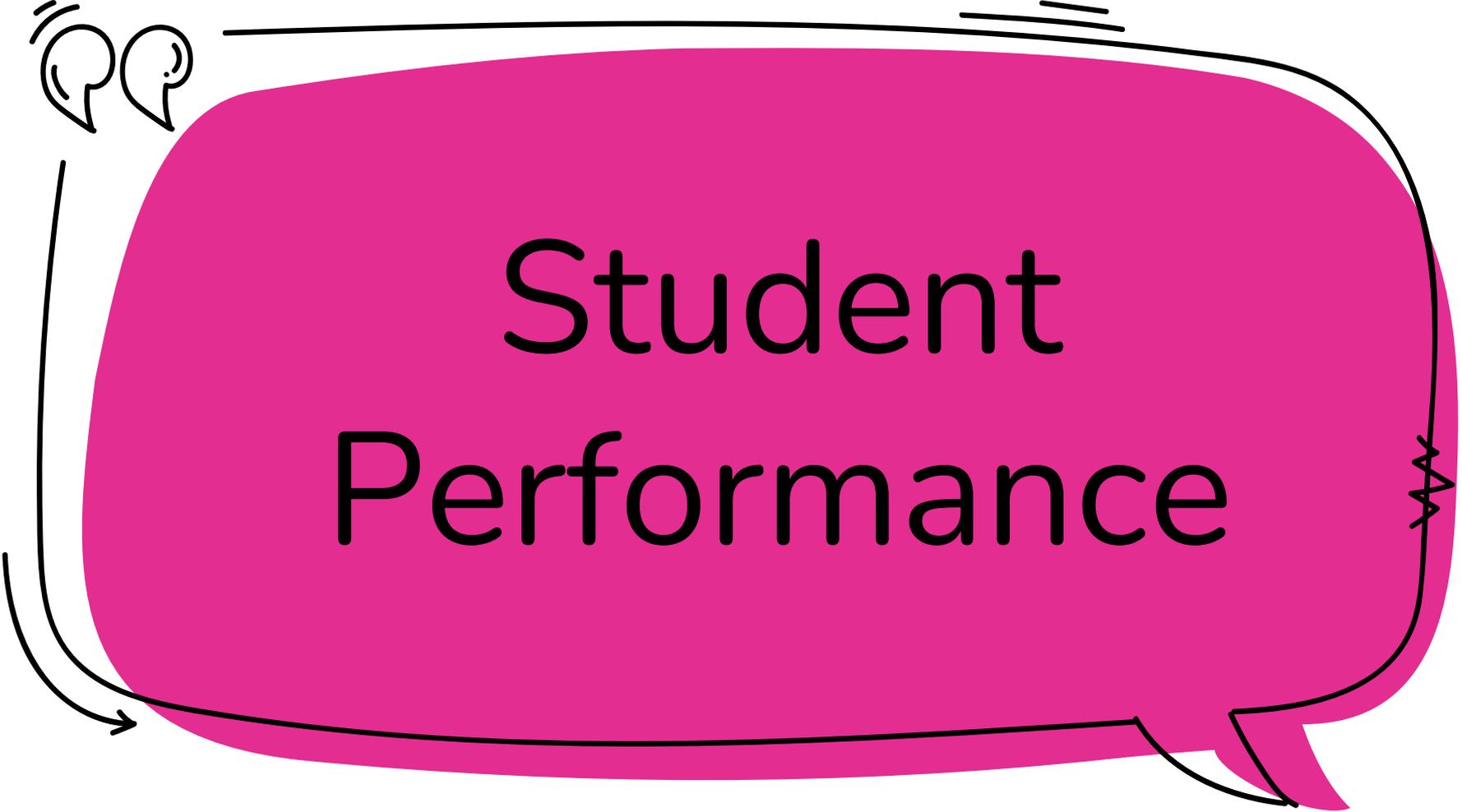


Online Assessments



Self- Regulation





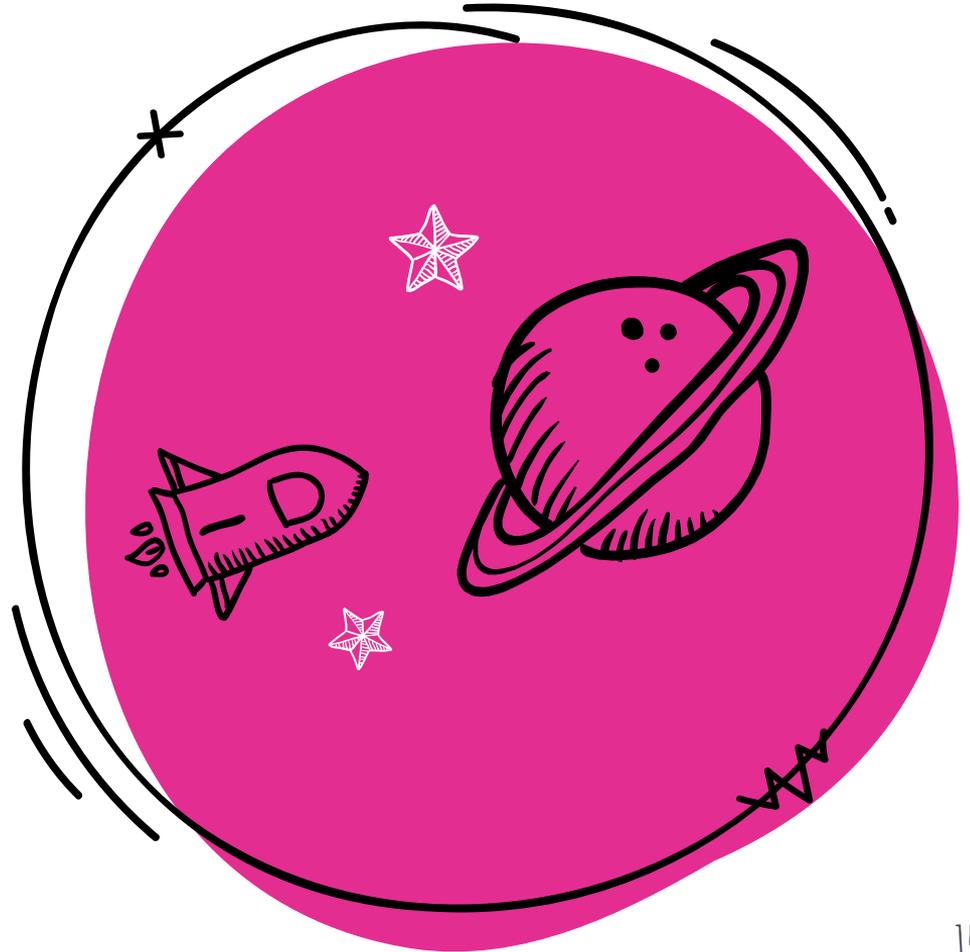
Student Performance



Time Management

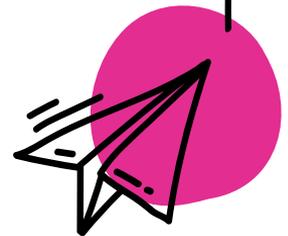
KNOWLEDGE GAP

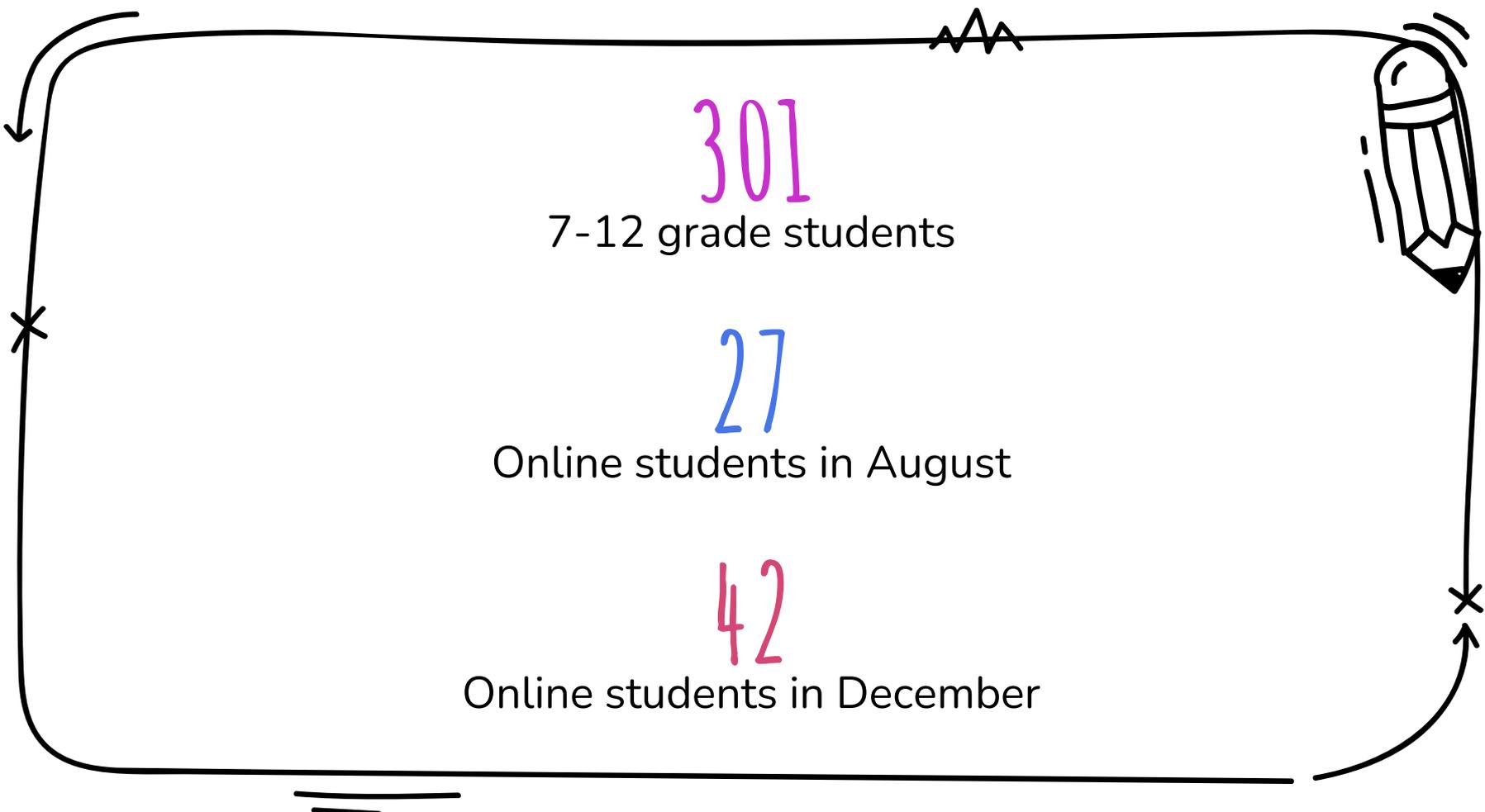
There is an abundance of research pertaining to online learning at the university level, but limited studies have taken place at high schools.



RESEARCH QUESTIONS

1. What types of challenges do teachers face when transitioning to an online learning environment?
2. What types of strategies are teachers implementing when teaching online?
3. What skills are important for students to have to successfully learn online?
4. What skills do teachers need to successfully teach in an online learning environment?





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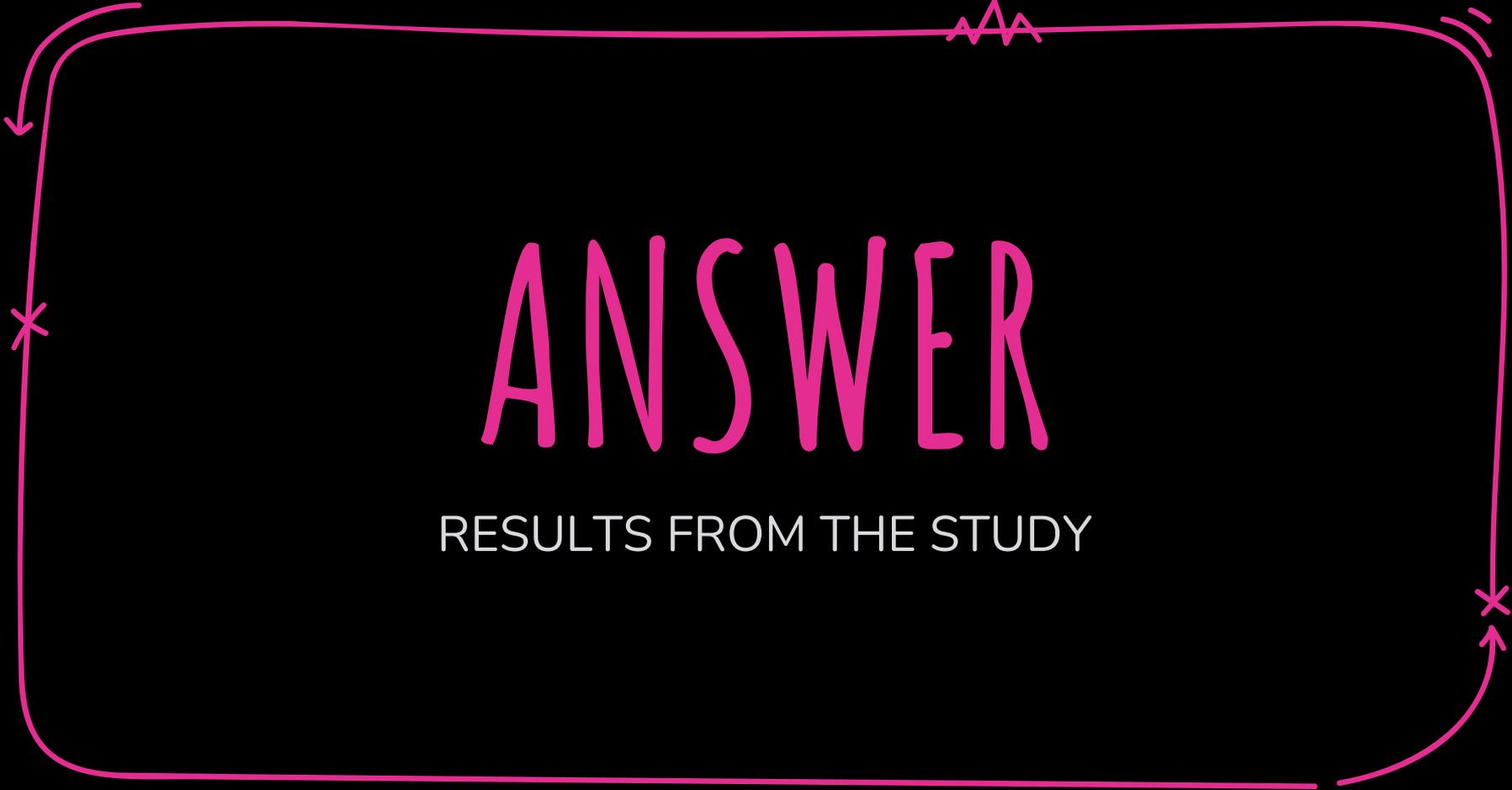
7-12 grade students

27

Online students in August

42

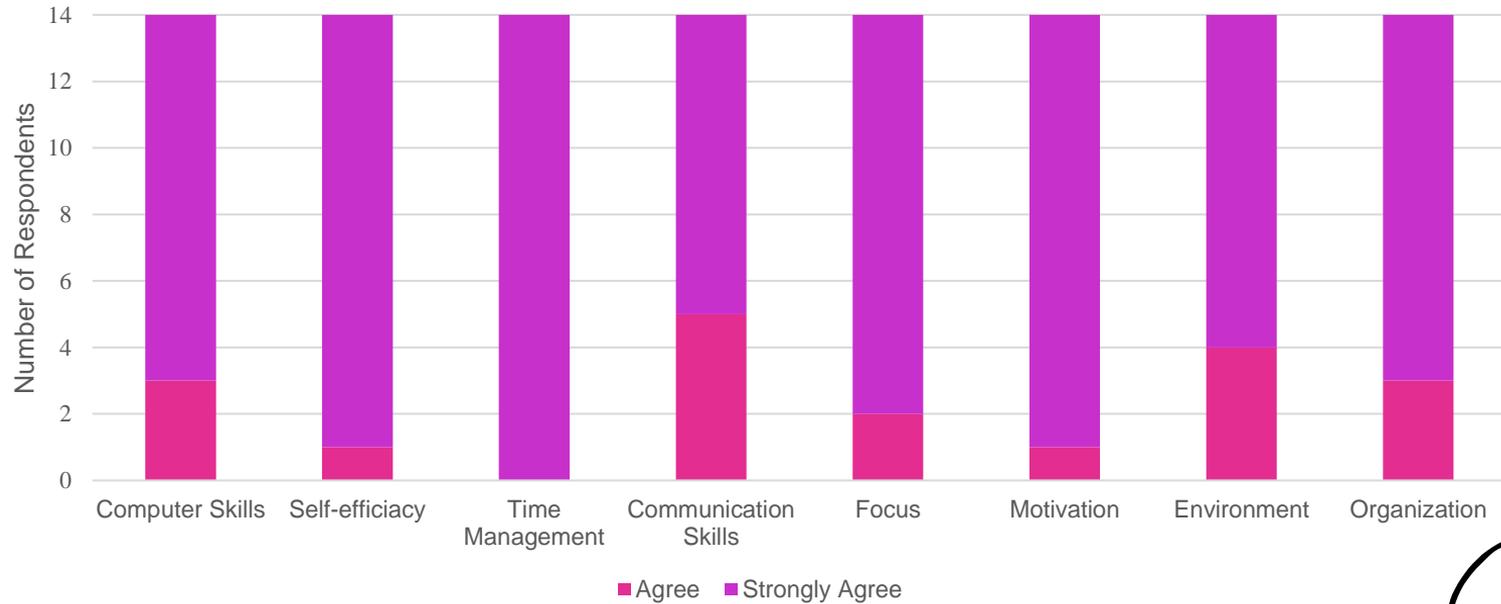
Online students in December



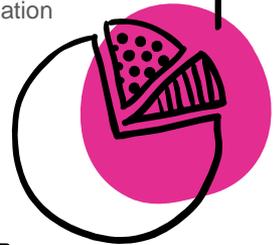
ANSWER

RESULTS FROM THE STUDY

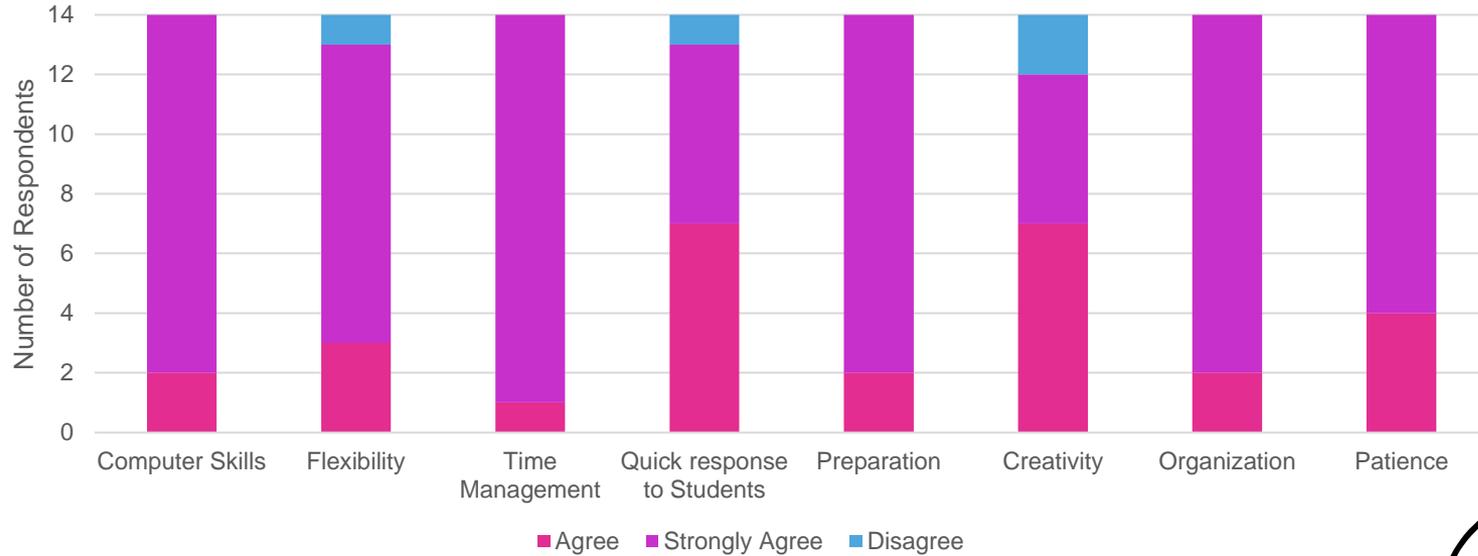
Student Skills



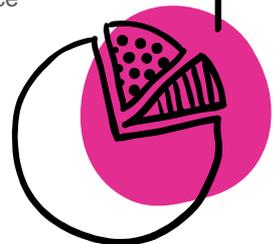
AGREE/DISAGREE THAT EACH OF THESE SKILLS ARE IMPORTANT



Teacher Skills



AGREE/DISAGREE THAT EACH OF THESE SKILLS ARE IMPORTANT



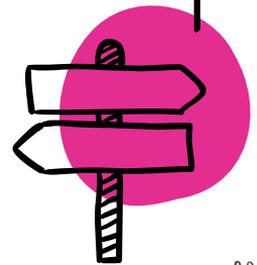
THEMES

Challenges

- Technology problems
- Teacher Training
- Assessments
- Attendance

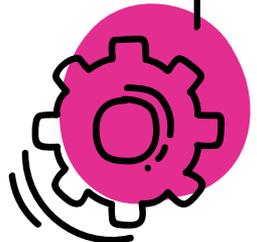
Positives

- Microsoft Teams
- Self-efficacy
- New Tools



LIMITATIONS OF ANSWERS

- X Teachers could have responded different on a different day
- X Depth of survey questions were limited unless they wanted to add more
- X Limited amount of time to respond during focus group



APPLY

- ✗ One central online learning platform
- ✗ Don't ask teachers to teach online without equipping them with the technology they need
- ✗ Schools should not make technology purchases without consulting teachers
- ✗ Provide training on how to effectively teach online, not just on the technology itself
- ✗ Attendance policies



CAUTIONS

Every student, teacher, and school is different. Only a small study and should not be used for broad generalizations. Always consult teachers before changes are made to ensure it will improve their situation at school.

THANK YOU!

