Describe the artifact:

In evaluating the effectiveness of my instructional strategies, I have utilized pre and post assessment data to gauge student progress and understanding. The results from these assessments clearly illustrate the positive impact of my teaching methods on student learning outcomes, aligning with Standard 8: Data Use.

Initially, students performed below average on the pre-assessment, which highlighted areas requiring targeted intervention. Recognizing the need for instructional adjustments, I implemented a range of strategies tailored to address their specific learning gaps. These included differentiated instruction, interactive learning activities, and collaborative projects that encouraged peer-to-peer support.

After these adjustments, the post assessment results were a remarkable testament to the effectiveness of this approach. Over 90% of my students demonstrated significant improvement, showcasing not only a grasp of the content but an enhanced confidence in their abilities. This data-driven approach clearly illustrates the power of utilizing assessment results to refine instructional methods and promote student growth.

In conclusion, the transition from below-average performance on the pre-assessment to a highly successful post-assessment outcome serves as a compelling indicator of my commitment to fostering academic achievement through focused data use. The evidence shows that by adapting my teaching based on assessment feedback, I can significantly enhance student understanding and success. This artifact not only reflects my teaching efficacy but also reinforces the importance of ongoing assessment in driving educational improvements.

Reflect on the artifact:

Reflecting on the artifact highlighting the use of pre and post assessment data, it becomes clear that leveraging this data to analyze student learning is essential for effective teaching. The stark contrast between the pre-assessment results, where students performed below average, and the subsequent post-assessment, where over 90% achieved success, illustrates the profound impact that data-informed instructional adjustments can have on student outcomes.

Effective teaching is not merely about delivering content; it's about understanding the unique needs of each student and adapting instructional methods accordingly. The data collected from assessments provides invaluable insights into what students are struggling with and what strategies are working. By analyzing this information, I was able to identify specific areas of difficulty and tailor my instruction to address these challenges directly.

The results attained by my students demonstrate that targeted changes in instruction can lead to significant improvements in understanding and mastery of content. Using data to inform teaching practices fosters a learning environment where students feel supported and engaged, leading to greater academic success.

Ultimately, this reflective process of using data to guide instruction is not just necessary; it is a fundamental component of effective teaching. It enables educators to be responsive to student needs, enhancing the overall learning experience and ensuring that all students have the opportunity to thrive

academically. This approach not only benefits individual learners but strengthens the educational community as a whole by promoting data-driven decision-making in teaching.

Pre Assessment

Untitled item

Multiple Choice

Which of the following is an example of showing responsibility at work?

0.04
Item Difficu

-0.18
Corrected It
Correlation

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Not Achieving a goal	9	4%
×	Meeting Some Expectations	46	20%
×	Not working as a Team	9	4%
×	Being on time	169	73%

	Result	Respondents	Percentage
✓	Correct	9	4%
×	Incorrect	224	96%
⊘	No response	0	0%

Untitled item

Multiple Choice

Which of the following post-secondary options is a college that offers certificate programs to meet business and industry needs for technically skilled workers?

0.49
Item Difficu

0.25
Corrected I
Correlatio

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Technical College	114	49%
×	University	55	24%
×	College	24	10%
×	Law School	40	17%

	Result	Respondents	Percentage
✓	Correct	114	49%
×	Incorrect	119	51%
⊘	No response	0	0%

Post Assessment

Untitled item

Multiple Choice

Which industry opportunity allows students to work alongside professionals to learn about a career?

0.95
Item Difficulty

0.65
Corrected Item-Total
Correlation Coefficien

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Job Shadow	240	95%
×	Internship	7	3%
×	University Lecture	4	2%
×	Doctorate Program	1	0%

	Result	Respondents	Percentage
✓	Correct	240	95%
×	Incorrect	12	5%
⊘	No response	1	0%

Untitled item

Multiple Choice

Which of the following post-secondary options is primarily a two-year public institution that grants certificates, diplomas, and associate degrees?

0.
Item

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Corr

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Community College	97	42%
×	University	70	30%
×	Technical College	33	14%
×	Med School	33	14%

	Result	Respondents	Percentage
✓	Correct	97	42%
×	Incorrect	136	58%
⊘	No response	0	0%

Untitled item

Multiple Choice

Which of the following post-secondary options is primarily a two-year public institution that grants certificates, diplomas, and associate degrees?

0.4
Item Diff

0.2
Correcte
Correlati

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Community College	97	42%
×	University	70	30%
×	Technical College	33	14%
×	Med School	33	14%

	Result	Respondents	Percentage
✓	Correct	97	42%
×	Incorrect	136	58%
⊘	No response	0	0%

Untitled item

Multiple Choice

Which of the following is a two-year public institution offering associate degrees?

0.9
Item D

0.8
Correc
Correl

Answer Frequency Summary

	Answer	Respondents	Percentage
×	Technical College	3	1%
✓	Community College	239	95%
×	University	6	2%
×	Apprenticeship	3	1%

	Result	Respondents	Percentage
✓	Correct	239	94%
×	Incorrect	12	5%
⊘	No response	2	1%

Untitled item

Multiple Choice

If a person obtains an advanced academic degree in a specialized field of study it is known as a...

0.5
Item Di

-0.(
Correc
Correl

Answer Frequency Summary

	Answer	Respondents	Percentage
✓	Graduate Degree	118	51%
×	Technical Degree	49	21%
×	Tailored Degree	38	16%
×	Undergraduate Degree	27	12%

	Result	Respondents	Percentage
✓	Correct	118	51%
×	Incorrect	114	49%
⊘	No response	1	0%

Untitled item

Multiple Choice

Which degree is considered a graduate degree?

0.94
Item Diff

0.62
Correcte
Correlati

Answer Frequency Summary

	Answer	Respondents	Percentage
×	Bachelor's Degree	10	4%
×	Associate Degree	2	1%
✓	Master's Degree	238	94%
×	High School Diploma	2	1%

	Result	Respondents	Percentage
✓	Correct	238	94%
×	Incorrect	14	6%
⊘	No response	1	0%

Untitled item

Multiple Choice

Which of the following is considered an undergraduate degree?

0.62
Item Diffic

0.28
Corrected
Correlatio

Answer Frequency Summary

	Answer	Respondents	Percentage
×	Associate and Master's	49	21%
×	Bachelor's and Master's	26	11%
×	Master's and Bachelor's	12	5%
✓	Associate and Bachelor's	145	63%

	Result	Respondents	Percentage
✓	Correct	145	62%
×	Incorrect	87	37%
⊘	No response	1	0%

Untitled item

Multiple Choice

What type of degree is earned after completing an undergraduate program?

0.9
Item Dil

0.6
Correct
Correla

Answer Frequency Summary

	Answer	Respondents	Percentage
×	Master's Degree	8	3%
×	Doctorate Degree	6	2%
✓	Bachelor's Degree	235	93%
×	Certificate	3	1%

	Result	Respondents	Percentage
✓	Correct	235	93%
×	Incorrect	17	7%
⊘	No response	1	0%

Untitled item

Fill In The Blank

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1. A (1) college provides certificate programs for technically skilled workers.
2. A (2) college usually offers two-year degree programs and grants associate degrees.
3. A (3) provides both undergraduate and graduate degrees.
4. An (4) allows students to gain paid work experience and a nationally recognized credential in their chosen field.
5. A (5) is a structured career activity where students learn by observing a professional in a specific industry.

Answer Frequency Summary

(1) **technical (Word Bank)** Correct: 248 Incorrect: 3 No Answer: 2

(2) **community (Word Bank)** Correct: 244 Incorrect: 7 No Answer: 2

(3) **university (Word Bank)** Correct: 243 Incorrect: 8 No Answer: 2

(4) **apprenticeship (Word Bank)** Correct: 241 Incorrect: 11 No Answer: 1

(5) **job shadow (Word Bank)** Correct: 241 Incorrect: 10 No Answer: 2

Result	Respondents	Percentage
Correct	239	94%
Incorrect	13	5%
No response	1	0%