

1. LoFTI

Purpose: LoFTI is a tool to aid in the observation of technology integration into teaching and learning. The data gathered through the use of this instrument should be helpful in building-level staff members as they plan and/or provide professional development in instructional technology.

For all items, check any and all which apply to the activities being observed.

★ **1. Please enter the date and time.**

	Month	Date	Year	Hour	Minute	AM/PM
Time	<input type="text" value="6"/>	<input type="text" value="6"/>	<input type="text" value="6"/>	<input type="text" value="6"/>	<input type="text" value="6"/>	<input type="text" value="6"/>
In						

★ **2. Observer Name**

★ **3. Which school is being observed?**

★ **4. Teacher Name:**

FIRST name

LAST name

5. Grade level:

☐ 9

☐ 10

☐ 11

☐ 12

☐ 13

6. What track is this class?

☐ Special Education

☐ Remedial

☐ General Education

☐ Honors

☐ Advanced Placement

☐ Other (please specify)

★ **7. Is technology in use?**

☐ Yes

☐ No

★ **8. How many students are...**

in class?

using technology?

Comment

5

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★ **9. Student Arrangement**

☐ Tables, Centers, Pods

☐ Circle or U

☐ Cubicles

☐ Rows

☐ Other (please specify)

★ **10. Learning Environment**

☐ Auditorium

☐ Cafeteria

☐ Classroom

☐ Gymnasium

☐ Lab

☐ Other (please specify)

☐ Media center

☐ Multi-purpose room

☐ Outside

☐ Virtual environment

★ **11. Student Grouping**

- | | |
|--|------------------------------------|
| <input type="radio"/> Independent work | <input type="radio"/> Small groups |
| <input type="radio"/> Learning centers | <input type="radio"/> Whole group |
| <input type="radio"/> Pairs | <input type="radio"/> Workshops |
| <input type="radio"/> Other (please specify) | |

★ **12. Instructional Collaborators**

- | | |
|--|--|
| <input type="radio"/> Administrator | <input type="radio"/> Special ed teacher |
| <input type="radio"/> Assistant | <input type="radio"/> Student |
| <input type="radio"/> Curriculum specialist | <input type="radio"/> Technology facilitator |
| <input type="radio"/> Media coordinator | <input type="radio"/> Volunteer |
| <input type="radio"/> Other teacher | <input type="radio"/> None |
| <input type="radio"/> Outside consultant | |
| <input type="radio"/> Other (please specify) | |

★ **13. Course Subject**

- | | |
|--|--|
| <input type="radio"/> Arts | <input type="radio"/> Physical education |
| <input type="radio"/> Career technical | <input type="radio"/> Library/media skills |
| <input type="radio"/> Computer/technology skills | <input type="radio"/> Mathematics |
| <input type="radio"/> English/Language arts | <input type="radio"/> Foreign languages |
| <input type="radio"/> English as a second language | <input type="radio"/> Science |
| <input type="radio"/> Guidance | <input type="radio"/> Social studies |
| <input type="radio"/> Health | |
| <input type="radio"/> Other (please specify) | |

14. Teacher Activities

(Check only if technology is being used for...)

- | | |
|--|--|
| <input type="checkbox"/> Activating prior knowledge | <input type="checkbox"/> Providing feedback |
| <input type="checkbox"/> Assessment | <input type="checkbox"/> Questioning |
| <input type="checkbox"/> Cues, questions, and advance organizers | <input type="checkbox"/> Reinforcing/recognition |
| <input type="checkbox"/> Demonstration | <input type="checkbox"/> Scaffolding |
| <input type="checkbox"/> Differentiated instruction | <input type="checkbox"/> Setting objectives |
| <input type="checkbox"/> Facilitation (guiding) | <input type="checkbox"/> Summarizing |
| <input type="checkbox"/> Lecture | |
| <input type="checkbox"/> Other (please specify) | |

15. Assessment Methods

(Check only if technology is being used)

- | | |
|--|--|
| <input type="checkbox"/> Oral response | <input type="checkbox"/> Selected response |
| <input type="checkbox"/> Product (e.g., project with rubric) | <input type="checkbox"/> Written response |
| <input type="checkbox"/> Performance (e.g., presentation, demonstration) | |
| <input type="checkbox"/> Other (please specify) | |

16. Technology is being used as a tool for...

(Check either Teacher or Student, or both)

	Teacher	Student
Problem-Solving (e.g., graphing, decision support, design)	<input type="checkbox"/>	<input type="checkbox"/>
Communication (e.g., document preparation, email, presentation, web development)	<input type="checkbox"/>	<input type="checkbox"/>
Information Processing (e.g., data manipulation, writing, data tables)	<input type="checkbox"/>	<input type="checkbox"/>
Research (e.g., collecting information or data)	<input type="checkbox"/>	<input type="checkbox"/>
Personal Development (e.g., e-learning, time management, calendar)	<input type="checkbox"/>	<input type="checkbox"/>
Group Productivity/Cooperative Learning (e.g., collaboration, planning, document sharing)	<input type="checkbox"/>	<input type="checkbox"/>
Formative Assessment	<input type="checkbox"/>	<input type="checkbox"/>
Summative Assessment	<input type="checkbox"/>	<input type="checkbox"/>
Brainstorming	<input type="checkbox"/>	<input type="checkbox"/>
Computer-assisted instruction	<input type="checkbox"/>	<input type="checkbox"/>
Face to face classroom discussion	<input type="checkbox"/>	<input type="checkbox"/>
Face to face group discussion	<input type="checkbox"/>	<input type="checkbox"/>
Asynchronous discussion	<input type="checkbox"/>	<input type="checkbox"/>
Drill and practice	<input type="checkbox"/>	<input type="checkbox"/>
Generating and testing hypotheses	<input type="checkbox"/>	<input type="checkbox"/>
Identifying similarities and differences	<input type="checkbox"/>	<input type="checkbox"/>
Project-based activities	<input type="checkbox"/>	<input type="checkbox"/>
Recitation	<input type="checkbox"/>	<input type="checkbox"/>
Summarizing and note-taking	<input type="checkbox"/>	<input type="checkbox"/>

17. Technology hardware is in use by...

(Check either Teacher or Student, or both)

	Teacher	Student
Assistive Technology	<input type="checkbox"/>	<input type="checkbox"/>
Audio (e.g., speakers, microphone)	<input type="checkbox"/>	<input type="checkbox"/>
Art/Music (e.g., drawing tablet, musical keyboard)	<input type="checkbox"/>	<input type="checkbox"/>
Imaging (e.g., camcorder, film or digital camera, document camera, scanner)	<input type="checkbox"/>	<input type="checkbox"/>
Display (e.g., digital projector, digital white board, television, TV-link, printer)	<input type="checkbox"/>	<input type="checkbox"/>
Media Storage / Retrieval (e.g., print material, DVD, VCR, external storage devices)	<input type="checkbox"/>	<input type="checkbox"/>
Math / Science / Technical (e.g., GPS, probeware, calculator, video microscope)	<input type="checkbox"/>	<input type="checkbox"/>
Desktop computer	<input type="checkbox"/>	<input type="checkbox"/>
Laptop computer (including tablets)	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

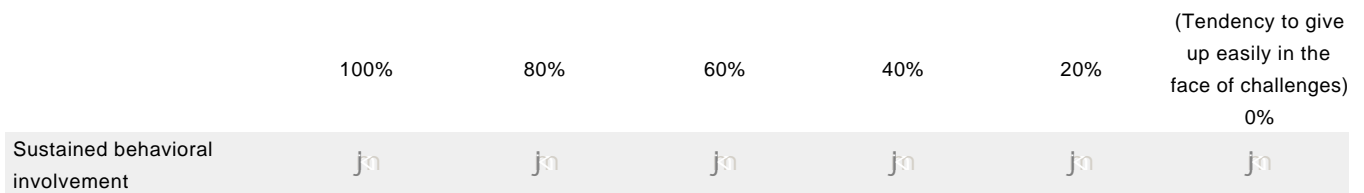
18. Technology software in use by...

(Check either Teacher or Student, or both)

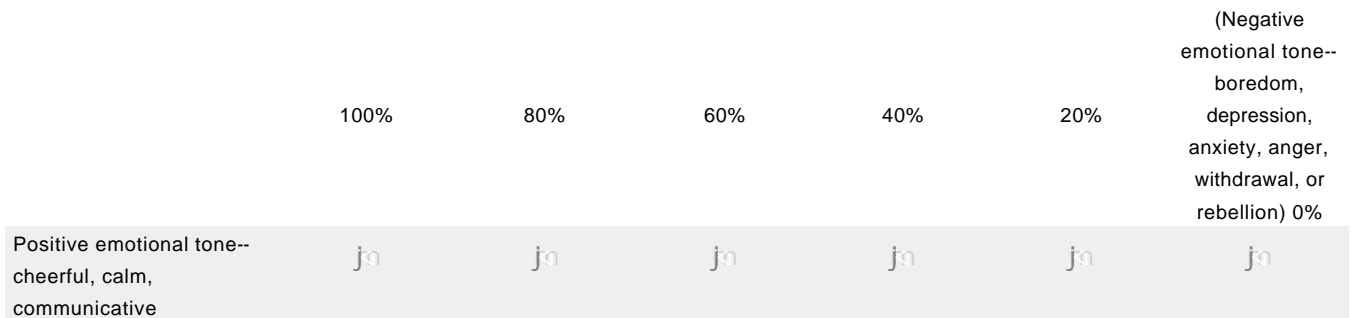
	Teacher	Student
Administrative (e.g., grading, record-keeping)	€	€
Assessment / Testing	€	€
Assistive (e.g., screen reader)	€	€
Computer-Assisted Instruction / Integrated Learning System	€	€
Thinking tools (e.g. visual organizer, simulation, modeling, problem-solving)	€	€
Hardware-Embedded (e.g. digital white board, GPS/GIS, digital interactive response system)	€	€
Multimedia (e.g., viewing digital videos, digital video editing)	€	€
Productivity Software (e.g., database, presentation, spreadsheet, word processing)	€	€
Programming or web scripting (e.g., Javascript, PHP, Visual Basic)	€	€
Graphics / Publishing (e.g., page layout, drawing/painting, CAD, photo editing, web publishing)	€	€
Subject-specific software	€	€
Web Browser (e.g., MS Internet Explorer, Netscape, Firefox)	€	€
Web Applications: Course management software (DyKnow, SchoolVue, EduPlatform, etc.)	€	€
Web Applications: Database systems	€	€
Web Applications: Discussion boards	€	€
Web Applications: Libraries, E-publications	€	€
Web Applications: Search engine	€	€
Web Applications: Video, voice, or real-time text conference	€	€
Web Applications: Web logs, blogs	€	€
Web Applications: Web mail	€	€
Web Applications: Wiki	€	€
NC-Specific Web Resources: Learn NC	€	€
NC-Specific Web Resources: NC Wise Owl	€	€
NC-Specific Web Resources: SAS in School	€	€
Other (please specify)		
<input type="text"/>		

For the following questions, please indicate the percentage of students in the classroom showing positive student engagement.

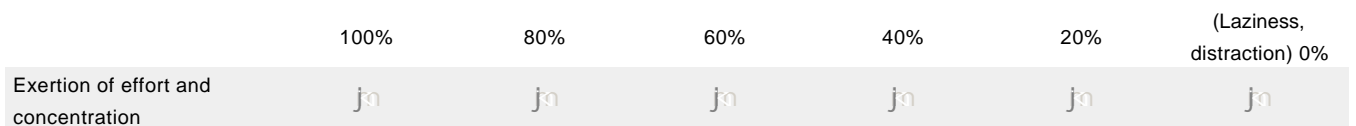
★ 19. Student engagement is shown by...



★ 20. Student engagement is shown by...



★ 21. Student engagement is shown by...



22. How essential was technology to the teaching and learning activities?

- ☐ No Technology
- ☐ Not needed; other approaches would be BETTER.
- ☐ Somewhat useful; other approaches would be as EFFECTIVE.
- ☐ Useful; other approaches would NOT BE AS EFFECTIVE.
- ☐ Essential; the lesson could not be done without it.

Comments

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23. During each 3-minute period, was technology in use by students and/or teachers, and was the time spent with technology used for teaching and learning (as opposed to recreation or routine tasks such as boot-up and log-on)?

Technology is:

	:00-:03	:03-:06	:06-:09	:09-:12	:12-:15	:15-:18	:18-:21	:21-:24	:24-:27	:27-:30
In use by students	€	€	€	€	€	€	€	€	€	€
Used for learning	€	€	€	€	€	€	€	€	€	€
In use by teachers	€	€	€	€	€	€	€	€	€	€
Used for learning	€	€	€	€	€	€	€	€	€	€

24. Estimated time technology used

Total minutes technology used by students	<input type="text"/>
Minutes students used for learning	<input type="text"/>
Total minutes technology used by teachers	<input type="text"/>
Minutes teachers used for learning	<input type="text"/>

* 25. Classroom Agenda

<div></div>	<div>5</div>
<div></div>	<div>6</div>

26. Other Comments Regarding Teacher (e.g. demeanor, comfort with technology, interactions with students)

<div></div>	<div>5</div>
<div></div>	<div>6</div>

27. Other Comments Regarding Students (e.g. comfort with technology, peer interactions)

<div></div>	<div>5</div>
<div></div>	<div>6</div>

28. Other Comments Regarding Learning Environment

	5
	6

* 29. Please enter the
time.

	Hour	Minute	AM/PM
Time	<input type="text" value="6"/>	<input type="text" value="6"/>	<input type="text" value="6"/>
Out			