

Preview of today's talk...

- ☐ The Rationale (or, Why We Did This Project)
- ☐ The Projects (or, What and How We Did Them)
- ☐ The Results (or, What Everyone Said Later)

The Rationale (or, Why?)

Why a map project? (1)

Downsizing in foreign language (FL) classrooms

- # of undergraduates studying FL rising, but proportion of the total students declining: 16.5% in 1965 to 8.6% in 2006
- Financial concerns → increased class sizes and/or decreased in-class contact hours

Necessity of capitalizing on all / more aspects of SLA

One such aspect is *informal learning*—voluntary, selfdirected learning outside the classroom (e.g., Connor,
1997-2009)

Major locus of learning — 75% (Falk & Dierking, 2002)

Why a map project? (2)

Lafford (2009) suggestions for further CALL research:

- 1. "Explore the attitudes and abilities [of] learners who participate in virtual environments ..."
- "Explore the relative <u>affordances</u>¹ of different authoring tools to create task-based activities ..." (p. 692)

In more discrete terms, to try these cloud apps in our respective and shared contexts

To further investigate informal learning

¹affordance = opportunities and constraints provided by a technology in a specific context for L2 learning (Levy, 2009)

Why a map project? (3)

Hope to blur boundary between in-class and out-of-class activities

Longitudinal examination of extent to which participants continue using these tools (future study)

Thus, today we'll talk about:

- (1) The in-class map activities, which lead to...
- (2) Informal, out-of-class activities (we hope ©)

The Project (or, What and How?)

Purposes of Map-Making

- To practice typing Japanese (Arizona students)
- To use learned structures to describe a place students want to introduce.
- To create the opportunity for exchange with FL students by contributing to a collaborative map and sharing it
- To introduce Japanese students to U of Arizona and American students to Japanese universities
- To familiarize students with another cloud application (Google Maps)

Participants

University JFL students in Arizona, USA (n = 182)

- 1st-year students
- 3rd-year students

University EFL students in Ibaraki, Japan (n = 129)

- 1st-years (3 groups: low-, mid-, high-level)
- Three different universities

Over 2-year period (2009-2010)

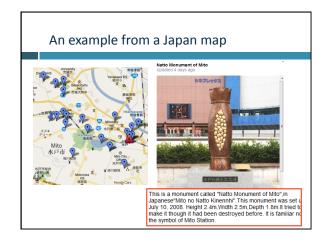
The Tool (the app)

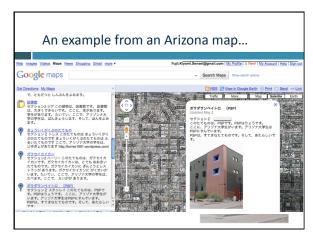
Used Google Maps (free, of course)

Students created a class map written in their L2

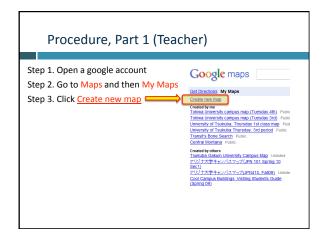
- Arizona students wrote in Japanese, Japan students wrote in English
- Collaborated on map of campus and surrounding area
- Extension of class material (forms) and lesson on word processing in Japanese
- Used photos to enhance

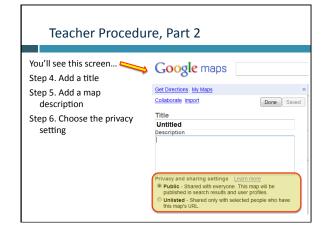
Languages of Communication Written in English here... Written in Japanese here...

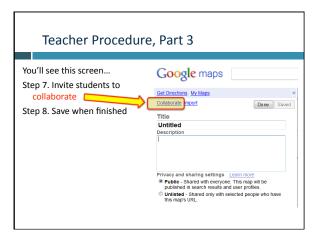


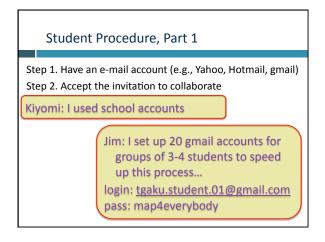


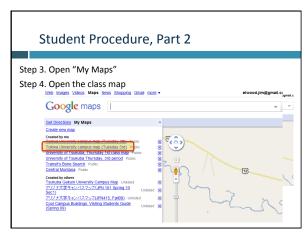
Step 1. Setting Up a "My Maps" Google Account Step 2. Accepting the Invitation to Collaborate Step 3. Opening the Collaborative Map Step 4. Open "My Maps" Step 5. Navigating Step 6. Editing: Creating Map Content Manually Describing the building Type in the name of your building under "Title" in katakana In the text box, type your section number and your last name first Then type the building description. See the review sheet. Step 7. Enhancing your map Adding and Formatting Attributes Adding a Web Link and a Photo

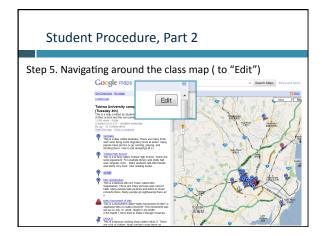


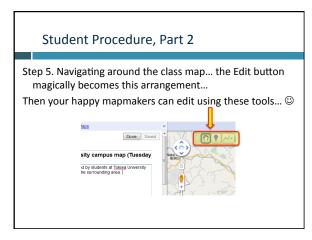


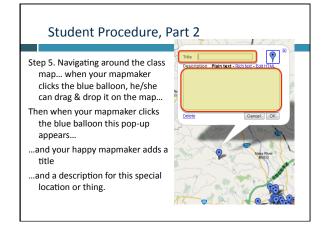




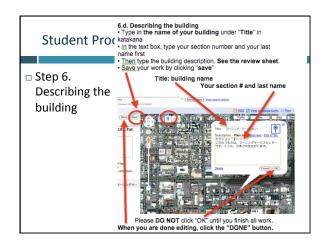




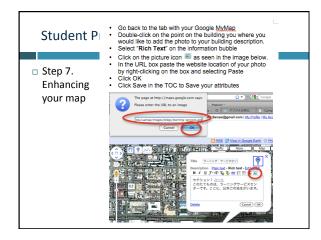


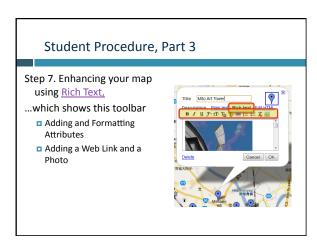


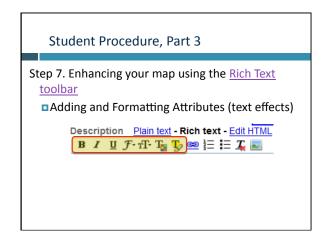
Student Procedure, Part 2 Step 6. Editing (creating map content manually) Describing the building Type in the name of your building under "Title" in katakana In the text box, type your section number and your last name first Then type the building description. See the review sheet.

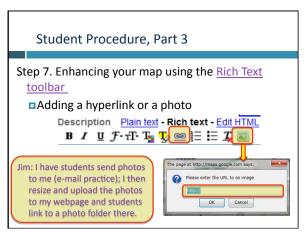


Student Procedure, Part 3 Step 7. Enhancing your map using Rich Text Adding and Formatting Attributes Adding a Web Link and a Photo



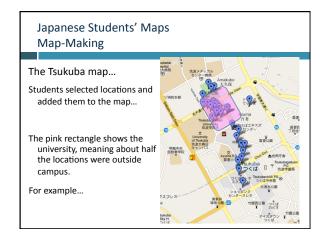




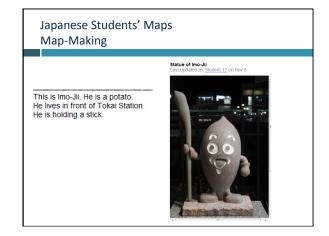


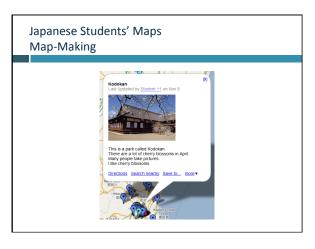












Japanese Students' Maps Map-Making Wito station Sal Spillers by Student 10 on Nov 8 Moto station is the largest of others in largest, Many people use the station to move. There are various kinds

The Results (or, What Everyone Said)

Data: Method

Questionnaire

Quantitative

- √4 Likert-scale items
- √5-point semantic-differentiation scale
- ✓ anchored by "strongly disagree" (1) and "strongly agree" (5)
- ✓neutral midpoint = 3

Qualitative

- √4 open-ended questions
- ✓ Good pts. / bad pts. / other pts. / suggestions

Data: Timing

Survey data collected ...

- Dec-Jan, 2009-2010
- At end of first term in Arizona
- At end of school year in Tsukuba
- Basically after mapmaking finished

Data Analysis

- Descriptive statistics
- T-tests for group differences with FDR correction (Benjamini & Hochberg, 1995)
- Qualitative data

Quantitative Results (US-Japan)

All positive numbers

Fairly strong support for *enjoyable* (stat-sig difference) Modest endorsement of *helped L2*, *motivation*, *use* again

Table 1

Perceived Usefulness of Mapmaking

Item	Arizona	Sig.	Japan
Enjoyable	3.82	*	4.12
Helped learning L2	3.54	-	3.44
Increased motivation	3.43	-	3.60
Want to use again	3.45	-	3.68

Note. *p < .05 after FDR correction.

Quantitative Results (US-US)

Stat-sig improvement for three items

Fairly strong support for *enjoyable*, *helped learning* Modest endorsement of *motivation*, *use again*

Table 2

Perceived Usefulness of Mapmaking, Arizona Students

Item	2009	Sig.	2010
Enjoyable	3.59	**	4.10
Helped learning L2	3.32	**	3.81
Increased motivation	3.27	*	3.63
Want to use again	3.32	-	3.62

Note. **p < .01 after FDR correction, *p < .05 after FDR correction.

Qualitative Results for mapmaking

Good points

✓ Enjoyable

"Fun, new way to use what we learned"
"Really cool teamwork"

✓ Language skill improvement

"It's very simple, but it gets me thinking in Japanese."

"It made me more comfortable with my Japanese."

Qualitative Results for mapmaking

Good points

✓ International exchange

"It's fun that students in Japan can see our school."

"Cool seeing the Japanese students making English maps"

"I really like the idea of sharing with a school in Japan."

"It is good for both people in two countries to know each other."

Qualitative Results for mapmaking

Good points

✓ Learned more about own area

様々な場所を知ることができた。 自分の学校のまわりについて良く分かるし。。。

"Interesting, learned more about U of Arizona"

"Could learn more about my own city"

✓ Cross-Cultural

"Great way to actually see Japan and show others."

Usable beyond class

"Real world appliance to things learned in class."

Qualitative Results for mapmaking

Bad points

Technical difficulties

"A little confusing figuring out the technology." "Google was rather inconvenient."

- Negative reactions
- ✓ Not useful, not effective
- ✓ Time, timing

"More than one class would be more helpful"
"Took too much time"

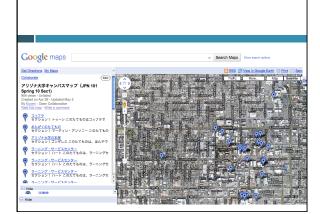
Qualitative Results: Suggestions

- Add more appropriate vocabulary
- √ Timing: earlier / later
- Check student work before posting
- More iterations of map-making
- Publish results (hard copy):
 せっかく授業でやったのでグーグルマップを使って、パンプレットのような物を作ってみては? (印刷するなど)
- Make a "tour plan"
 ツアープランを作ってみる。学校、駅、百貨店等の目的地まで行くのに、何がどこにあるのか書く



Challenges

- □ Different academic calendars (U.S.A. and Japan)
- □ Those pesky Google accounts
 - → set up accounts beforehand
- □ Typing difficult (1st-year JFL students)
- □ Technology difficult, Google Maps "confusing"
 - → polish explanation, allow more time
- Overlap (students choosing the same thing)
 - → teacher makes list
- □ Time-consuming
- Make section maps
 - 23 students per map rather 100+ students



Conclusion

Students:

- activity enjoyable and motivating
- 2. effective vis-à-vis language learning
- want to expand activities

Teachers:

- encourage cross-cultural exchange
- captivating activity

(Post-) Conclusion

If you'd like to have a look at some of our student maps, the handouts for students we've mentioned today, or today's PowerPoint, we invite you to visit:

http://www.jimelwood.net/maps/ maps_index.html

We also welcome correspondence via e-mail (on the conference webpage)

References Cited

Benjamini, A., & Hochberg, A. (1995). Controlling the false discovery rate: a practical and powerful approach to multiple testing. *Journal of the Royal Statistical Society. Series B (Methodological)*, 57, (1), 289-300.

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