# In Search of the Method to Assess Japanese Students' Readiness for Global Citizenship

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## < Background >

1. Japanese Ministry of Education's new initiative to produce "future global human resources" with grants (2013-)

Universities are creating new programs with a stronger focus on English, critical thinking and problem-solving skills → Increasing CLIL- and EMItype courses

2. More and more companies in Japan have either adopted or been promoting an "English-only" policy in the workplace ("Englishnization").

< Procedure>

based requirements for Global Citizenship.

combined with a self-evaluation checklist).

adults and its validation (on-going study).

3. Validation of the assessment tool with 221

workers with 5 superiors.

1. An online questionnaire survey with more than 400

workers employed in the international arena (plus

selective interviews) to finalize the 40-item reality-

2. Creation of the assessment tool (essay-test battery

4. Creation of a simplified assessment tool for young

university students with 8 teachers and 32 company

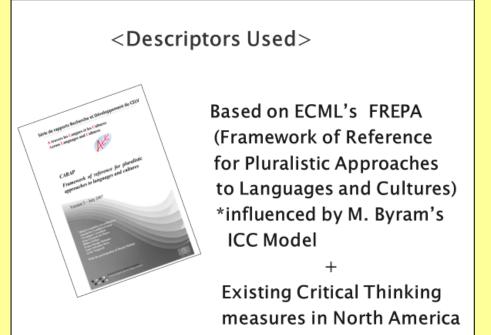
Sending a wrong message to students and parents, making them invest more money and effort only to improve English proficiency?

Some educators worry about our tertiary education coming to serve industrial needs, plus a tendency toward linguistic or cultural imperialism.

# < Past Grand-in-Aid Projects>

<Purpose> To create clear objectives and criteria for intercultural competence (incl. critical thinking) to be incorporated into foreign language (esp. English) learning in Japan.

Learning English as a foreign language (EFL) has been too language-skill oriented to produce a young generation who can function in the globalizing, multicultural



<Project Overview> Creation of course models

(Necessity to add intercultural competencies)

## What are the components of global citizenship?

**Changing environment:** Increasing attention to logical/critical thinking skills together with generic competencies required for workers as global citizens

### <Finalized 40 descriptors as Can-do</p> Statements>

Four sections: Knowledge, Attitudes, Critical Thinking Skills & Generic Competencies



9. Knows that each language has its own rules and systems with complex relationships among them, thus literal translation doesn't always yield the same meaning -The asterisk (\*) means that the descriptor was used in the essay-test Knows that language deeply relates to culture and one's identity so being communicative doesn't only consist of linguistic skills. -Yellow-highlighted items were used for the simplified checklist for (A person) knows the basic rules of English being studied incl. prosodic, lexical, syntactic aspects. Has high scores of proficiency tests (such as TOEIC® and STEP) Has sufficient background knowledge (=historical, social and cultural background) of English. flexibly based on various situations and contexts. Has the awareness of the fact that there are a variety of Englishes

**Attitudes** 6. (A person) can try to understand different languages an

17. Can accepts different values and ways of thinking without resistance and prejudice, including ambiguities and interest deriving from different languages and cultures. critically, avoiding preconceptions and overgeneralizations and error" experience in the past.

## <Development of Assessment Tools>

1. For measurable 20 descriptors, the essay test battery was created. Also, for all the 40 descriptors, self-evaluation checklist (with 5-point Likert scale) was created, which can be used for objective evaluation by teachers and supervisors. The checklist was mainly used for the items not conducive to onetime measurement.

The essay tests were validated by IRT software, and good inter-rater reliabilities (around 0.9) and fairy good correlations between the test's scores and self-evaluation (over 0.6) and teacher evaluation (over 0.7) were obtained for 20 items used for test specification.

Essay Item Sample \*Each essay-test has 3 test items like this.

One international student often comes late for club meetings When the leader told him to be more responsible, he said, "I do all the work with responsibility just like all the other Japanese members. On top of that, why do we have to have so many meetings? Once we create a clear plan with assignment of roles, I don't see much meaning in these meetings. Your meetings are just for chatting and relationship-building. I propose to reduce

\* State with your own words where the sources of misunderstanding or conflict are. (#21, 22, 25) \* What would you do if you were the leader? (#23, 24, 29) \* Propose a solution, explaining why it is an appropriate way to handle this problem? (#20, 28, 30)

**Evaluation Criteria** 1. Comprehension Understanding of the situation Knowledge of the culture(s) or socio-pragmatic factors involved

 impartiality/objectivity acceptance/tolerance of difference willingness to communicate/cooperate patience and flexibility in finding a solution 3. Thinking Skill

- objective comparison quality of analysis - integration and synthesis

categorization/factoring

2. Attitude

Correlations bet. Checklist Evaluation and Test Scores Correlation Knowledge of Language 0.43 (Items 1–10) Knowledge of Culture 0.38 (Items 11–15) Intercultural Attitude 0.57 (Items 16 – 24) Critical Thinking Skills 0.69

Generic Competencies

(Items 33 – 40)

#### **Critical Thinking Skills**

<Critical Thinking Skills> different languages and cultures objectively \*26. Can <u>systematically classify</u> the components of different languages and cultures based on categories and genres appropriately and objectively

Has some knowledge of a foreign language other than English

Can carry out work by a foreign language other than English

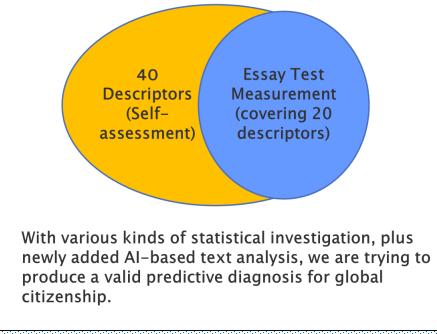
and can do basic communication by it.

\*29. Can build constructive intercultural communication by constantly tuning into and considering the possible linguistic and cultural \*30. Can choose the ways of communication most appropriate to the given situation, making use of one's accumulated knowledge and experience with learning a new language and culture. 31. Can learn effective ways of communication by creating hypotheses based on either the first language or other languages 32. Can continue to improve one's ways of learning about different languages and cultures throughout lifetime by constantly

reflecting upon their effectiveness in real-life practice.

#### **Generic Competencies** <Generic Competencies>

the relationships between the overall picture and discrete \*34. Can analyze complicated problems logically by identifying discrete points/elements involved in them. after evaluating different people's opinions critically. opinions from one's peers democratically. 38. Can try out various ways based on one's past experience and people with opposite opinions in a situation where collective efforts towards a shared goal are required. \*40. Can lead discussion and take an action strategically in order to



Modifictions/adjustents made to the descriptors.

# Creation of the Simplified Version for Younger Adults

New (On-going) Experiment Purpose: An attempt to create a measurement tool for younger students. Subjects: 42 junior high school and 31 5th- and 6th-grade elementary school students and their teachers Material: The number of descriptors was reduced

the Can-do checklist were simplified.

Ex. #13 (→#6) Knows (=Can be aware) that misunderstandings may happen in Intercultural communication because the interpretations of an action or phenomenon can vary between people with different cultural backgrounds. to a half (20 items) while both the essay Can be aware that people from different cultures test (reduced to 2 items per test) and

sometimes misunderstand each other because the same actions and events have different meaning in different cultures.

Simplification of the Descriptors

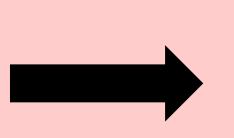
Simplification of Test Items Situations used for essay tests were also modified using those that can happen in younger students' lives described in simple 1.The question about the importance of meetings and concepts of time and work assignment was changed by using some extra-curricular activity situation.

2. The situation where an Islamic girl wants to

lunch box when non-hălal ingredients are `

used for school lunch.

wear a hijab in the dance competition was changed to that of the girl who has to bring a



**Tentative Results** 

1. Though the average inter-rater reliability (among 3) raters) was 0.79, as to 10 evaluation points, it varied from 0.56 (for categorization/ factoring) to 0.91 (for understanding the situation). Most reliability indices were lower than the previous study for university students. which seems to be attributable to the lack of linguistic expressive ability of young learners. The average scores (out of 20 points) were lower than those of university students (overall score: 8.9 for elementary school students, 11.3 for junior high students vs. 14.2 for university students), and there were cases in which raters

couldn't determine the scores due to lack of evidence.

2. Overall, students' evaluation and teacher evaluation by the checklist exhibited sufficient correlations (around 0.7) with little difference between junior high school and elementary school students. Compared to the results of university students and adults in the previous study, the correlation patterns were similar, but more agreement was seen so far. Quite often, Asian students report their abilities lower than the reality, but such tendency was not so apparent among younger students.

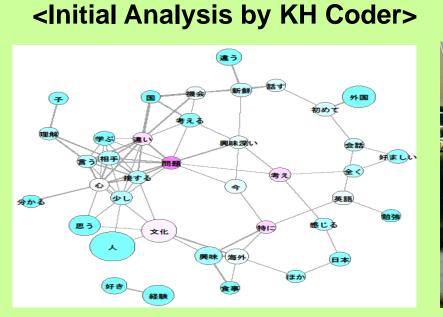
## **Problems with predictive** validity of essay tests

Correlations bet. Checklist Evaluation and Test Scores→Need improvement Correlation Knowledge of Language 0.42 (Items 1-3) Knowledge of Culture 0.45 (Items 4-8)Intercultural Attitude 0.57 (Items 9 – 13) **Critical Thinking Skills** 0.69 (Items 14 – 16) **Generic Competencies** 0.65 (Items 17 – 20)

# <Qualitative Analysis>

Further qualitative analysis was done to student responses to improve essay test items.

2. Additional intérviews were conducted to tease out more detailed thinking processes of some representative students.





Trying out Al application to produce a better summative diagnosis, combining quantitative & qualitative data