

# Outline 1. Research objective 2. Research questions 3. Background 4. Pilot study 5. Main study

## Research objective • The aim of this research is to develop Chinese teachers' instructional skills in diffluence of Chinese language and Chinese character-based teaching. 國立臺灣師範大學 National Taiwan Normal University



### Background V · The debate has been witnessed in the history of teaching Chinese characters. (Lam, 2011) Nowadays, many Chinese teachers train CFL learners' four abilities (listening, speaking, reading, and writing) at the same time. However, the students in non-Chinese character cultural sphere (ex. US, Europe, Canada...) are not interested in learning Mandarin because of poor Chinese literacy. Therefore, some researchers (Jiang, 2007; Du,2007; Ye,2000) claim that Chinese language (listening and speaking) and literacy should be developed diffluently. ● 國立臺灣師範大學 National Taiwan Normal University

## Language and Chinese-character Teaching · Language and literacy teaching is to train learners' language and literacy abilities. · If teachers cannot differentiate and coordinate these two instructions, they would not deal with the relation and interaction between them. 國立臺灣師範大學 National Taiwan Normal University

### Teaching of language ability

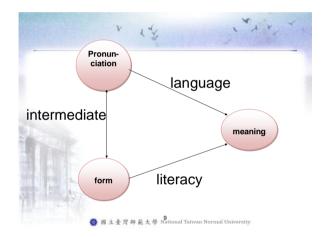
- Language is the system of audio symbol of applying 'sound' to present 'meaning'.
- Human uses 'mouth' and 'ear' to process communicative tools.
- From individual to the whole, people have the ability to apply these devices.
- In other words, people are able to 'listen' and 'speak', which are language ability.

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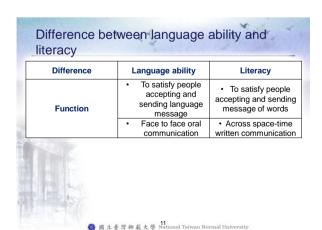
## Teaching of literacy

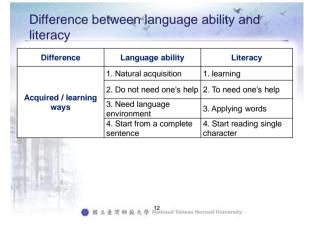
- The essence of Chinese-character is 'form', not 'pronunciation'.
- Chinese-character is the system of visual symbol of applying 'form' to present 'meaning'.
- Human uses 'eye' and 'hand' to process communicative tools.
- The essence between language ability and literacy is different.

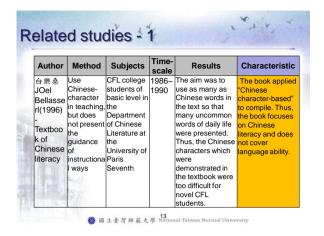


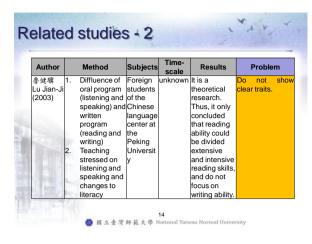


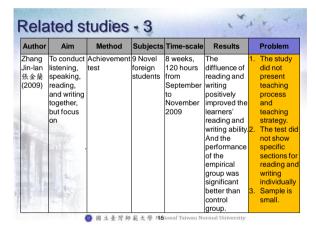


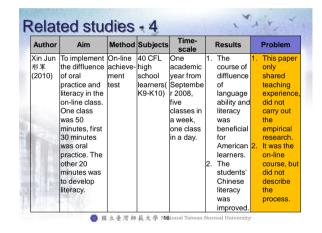










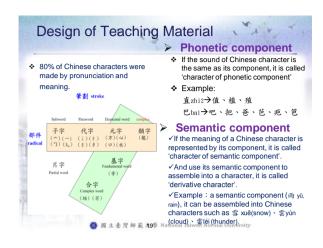


## The problem of recent related studies

- The researches about the diffluence of Chinese language ability and literacy (ex. Lu, 2003; Huang, 2003; Chan, 2008; Xin, 2010) did not describe clear and concrete curriculum, schedule of course, and teaching methods. Thus, it could not know whether or not teaching strategies which were applied were effect to children's learning achievement
- Sample is small (ex. Chan, 2008; Xin, 2010).
- The Chinese characters were uncommon daily words so that the learners did not achieve significant learning result (ex. JOel Bellasserl, 1996; Huang, 2003)

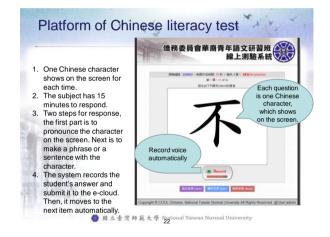
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# Learning Characters by components • Essence of Chinese character Components = meaning + pronunciation • What is component? Component is part of a character. In terms of written, it would not connect to other parts. It cannot be disassembled to smaller parts. (Cheng and Wu, 1994) • Rule of combination --Chinese character is assembled by components with particular strokes in a square space. | Lation | Lation





Radical	Derivational characters in text	Note
[-學]T]	典學使	derivative
[/m]	飯飲	derivative
1	你您他什借候們便貨件夜做個	derivative
AA	<b>苯苯算蓝</b>	derivative character
_	是國與同哥師今歲可借題天上下拿給還三喜責得百司啊型打前 籃歌聽剛會	derivative character
人	今以拿给來喝茶多會	derivative character
+	什來早千做個職	derivative character
也	他她	derivative character
D D	叫呢國與名同嗎哥鉛只可如問拿給客選喜歡吃臺喝咖啡店商哪 司吧啊員點常做個唱歌加會喔	derivative character
女	好姓她姐姊妈要妹	derivative
子	好字學	derivative



# Sample of subjects 12 CSL (Chinese as a second language) classes in the camp were involved in the research. 10 to 14 CSL students in one class. They were all beginners. The age of the learners were from 14 to 20.

# Asking students to find out same components of Chinese characters which were provided by teachers. To explain place and meaning of the components of Chinese characters to the students. To guide students to pronounce characters. To guide students to practice writing characters based on stroke order. To guide students to use Chinese characters they learn to make words.

Steps of Chinese character-based teaching



# Pre-test & Post-test • The platform of Chinese literacy test were adopted into a pre-test and a post-test. • 120 Chinese-characters were randomly selected from 149 characters to the test. 120 characters were divided half and half randomly to a pre-test and a post-test. Thus, both pre-test and post-test had 60 characters. • The pre-test was conducted before the intervention. And the post-test was implemented after the research treatment.









Theme	Student (N=20)	Teacher (N=12)
Difficulties of learning Chinese- character	Chinese-characters are very complex. If we do not have many opportunities to use them, we will forget them soon after we return to our countries.	The short intensive camp were sweeks, and the Chinese-charact classes only two weeks. Thus, or hour Chinese character-base learning was still limited and rus During one hour class, we had teach, let students practice, are

# Summary of the pilot Q1: Is the diffluence of Chinese language and Chinese character-based teaching able to enhance CFL learners' literacy? A: 1. According to result, the outcome of the students' literacy was significant different between the pre-test and the post-test. 2. The score of the post-test was significantly higher than the one of the pre-test. 3. Thus, it can be concluded that the CSL youth learners improved their literacy after accepting the research intervention.

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Q2. Do Chinese teachers think the instructional mode of Chinese character-based teaching effective to improve CFL learners' literacy?

### Α

- The teachers reflected that the Chinese character-based instruction certainly enhanced CSL learners' literacy.
- 2. The students could recognize and remember more characters.
- However, the class time was very restricted. It was not enough for the students to do more practice.

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Q3: What are CFL students' viewpoints about learning Chinese-characters specifically?

### Α.

- The students reflected that only learning Chinese-characters significantly improved their literacy.
- 2. Especially, they could read menu themselves when they ordered food in the restaurant.
- 3. Thus, it could be found that if the CSL students' literacy was enhanced, they could access to Chinese real world easily.

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### Further amendment for the main study

In terms of pilot, some amendments have been taken place in the main study as

- To extend the duration of the research intervention for Chinese Character-based teaching.
- To focus on developing CFL learners' literacy.
- To build concrete mode of Chinese characterbased teaching.
- To use assistive technology to guide Chinese Character-based teaching.

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### Main study

### Subjects:

- 1. To take place in a public school in Southern California.
- 2. 10-12 year-old CFL children in FLES (Foreign Language in Elementary School) program; Mandarin is the foreign language in this school.
- 3. Three classes engage in the research.
- 4. 28 to 32 students are in one class.

### Timescale:

- 30 lessons from mid-September 2013 to mid-November 2013
- 2. 1 class in a day
- 3. 40 minutes for one class
- 4. 3 classes in a week.



# Main study Method: 1. Two models of Chinese character-based teaching by using 'ChineseCUBES' 2. Developing 30 lesson plans for each model 3. 3 days teacher training 4. A pre-test and a post-test for evaluation of literacy 5. Student and teacher interview



### Research intervention

- Experimental group A: Classroom teaching for Chinese character-based class by using ChineseCUBES for 30 lessons.
- Experimental group B: On-line teaching for Chinese character-based class with using ChineseCUBES by means of ADOBE CONNECT for 30 lessons.
- Control group: Regular Chinese language class without specific Chinese character-based learning, one class in a day, three classes in a week.

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### Developing 30 lesson plans for each teaching model

- · Classroom teaching
- · On-line teaching
- · Both of these two models have 5 themes including
- 1. '我的家my family',
- 2. '我有一本書I have a book'
- 3. '我喜歡吃頻果 I like to eat apples',
- 4. '現在幾點鐘 What time is it?',
- 5. '喂!你在哪裡? Hello! Where are you?'.

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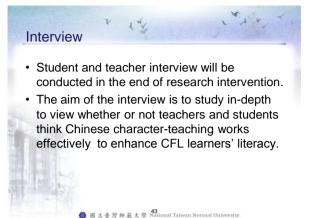
### 3 days teacher training

- Developing teaching ability to conduct Chinese character-based teaching.
- 1.6 teachers attended the training.
- 2. Building knowledge of Chinese character-based instruction.
- 3. Training teachers to conduct component teaching.
- Training teachers to use ChineseCUBEs to teach Chinese characters for both classroom and online instructional modes.
- 5. Training teachers to implement the teaching plans.

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### Pre-test and Post-test

- · To use the platform of Chinese literacy test
- Evaluating whether or not the learners' literacy improve before and after the research intervention
- To select 120 Chinese character randomly from 200 ChineseCubes characters. 60 characters are assigned respectively to a pre-test and a post-test.
- A pre-test is conducted before the intervention.
   And a post-test is held after the research treatment.





### Future collaboration with PSU - 1

- · Chinese character-based teaching training
- NTNU can offer a collaborated teacher training program by the on-line Adobe Connect conference room.
- 2.NTNU can provide the models of the instruction including on-line and classroom.

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3. NTNU can provide teaching materials including textbooks and assistive technology.

### Future collaboration with PSU - 2

- Internship program of teaching Chinese character-based class
- 1. NTNU can send the interns to PSU to conduct the Chinese character-based teaching.
- NTNU can provide the interns to carry out the on-line Chinese character-based teaching to CFL students in PSU.
- 3. NTNU can offer the internship program and Chinese character-based class to K-12 schools which have built partnership with PSU.

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## Thanks for your attention!

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