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犹他州教育厅团队

- Utah Chinese Dual Language Immersion Director
- K-8 Chinese teacher 7 years, Chinese Endorsement
- Early Childhood, Elementary, & Music Education B.S., M.A + Admin certification
- Founding member of CELIN (Chinese Early Language Immersion Network) Advisory Board
- Member of National Council of State Supervisors for Foreign Languages (NCSSFL)



#### Zheng Liping 郑丽萍

- M.A. in Education
- Current Utah DLI Secondary State Coordinator
- Elementary Chinese Immersion Teacher- 5 years
- DLI/Chinese/Math Endorsement
- Secondary AP Chinese and Bridge Program Teacher 1 year
- Current certified AAPPL test rater
- Sterling Scholar World Language Semi-Finals Judge (2019-2022)



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- Current Utah DLI Elementary State Coordinator
- Elementary Chinese Immersion Teacher- 8 years
- DLI/Chinese Endorsement
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# The Powerful "Whys" and "Hows" of Immersion



### 沉浸式的学习体验和启示

American Academy of International Culture and Education (AAICE) Webinar

**September 23, 2023** 



Utah Chinese Dual Language Immersion Team
Stacy Lyon, Director
Liping Zheng, Coordinator
Jiajie Wu, Coordinator

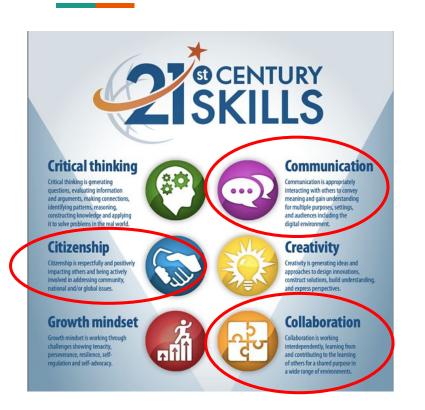
# **The Big Picture**





### Global Citizenship 全球公民





**Citizenship** is respectfully and positively impacting others and being actively involved in addressing community, national, and/or global issues.

公民身份是尊重和积极影响他人,并积极参与解决社区、国家和/或全球问题。

**Communication** is appropriately interacting with others to convey meaning and gain understanding for multiple purposes, setting, and audiences, including the digital environment.

沟通是与他人进行适当的互动,以传达意义并为多种目的、环境(包括数字环境)获得理解。

**Collaboration** is working interdependently, learning from and contributing to the learning of others, for a shared purpose in a wide range of environments.

合作是相互依存的工作, 向他人学习并为他人的学习做出贡献, 以在广泛的环境中实现共同目标。

### Global Citizenship: 2023 Model United Nations (UN)









### 2019 Global Citizenship: Communication



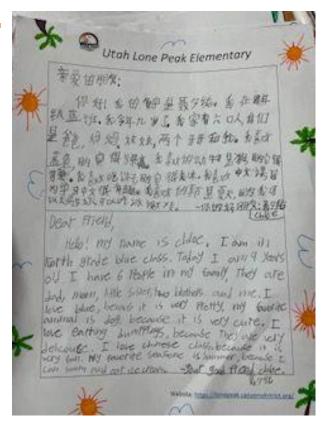
If you talk to a man in a language he understands, that goes to his head. If you talk to him in his own language, that goes to his heart."

Nelson Mandela



### **Global Citizenship: Collaboration**

犹他州4 年级四 生和的学生 一次 一次







# Objectives 目标

### The "WHY?" of Language Immersion

You will be introduced to **current data** on Chinese immersion programs, and able to **identify names** of those who have done the **leading research on effectiveness** of this approach in the U.S.

### The "HOW?" of Language Immersion

You will be able to **identify 3 core instructional strategies** used in the dual language immersion instructional framework, and **describe the why and how of each strategy.** 



#### 2021 CANVASS OF DUAL LANGUAGE AND IMMERSION (DLI) PROGRAMS IN US PUBLIC SCHOOLS

American Councils Research
Center (ARC) is pleased to
announce the results of a
systematic national canvass of
Dual Language Immersion
(DLI) programs in the U.S. DLI
is a type of educational
program that uses instruction
in both a native and
secondary language to expand
learning opportunities for
inclusive student populations.

Co-Director of ARC, Dr. Robert Slater, said about the study, "The canvass of DLI programs is a vital first step in understanding the reach of these programs across the educational spectrum. Now that we know more about the number of programs we need

Table 1 Number of DLI Programs in US Public Schools by Language					
Language	Number of DLI Programs	Language	Number of DLI Programs		
Spanish	2936	Polish	5		
Chinese	312	Haitian Creole	3		
French	182	Urdu	2		
Japanese	37	Yup'ik	2		
German	31	Greek	2		
Portuguese	27	Lakȟóta	2		
Hawaiian	27	Lushootseed	2		
Korean	23	Makah	2		
Russian	17	Diné	2		
Italian	7	ASL	1		
Hmong	7	Bengali	1		
Vietnamese	6	Cherokee	1		
Armenian	6	Yiddish	1		
Arabic	5				

to move forward with additional information on enrollments and program models."

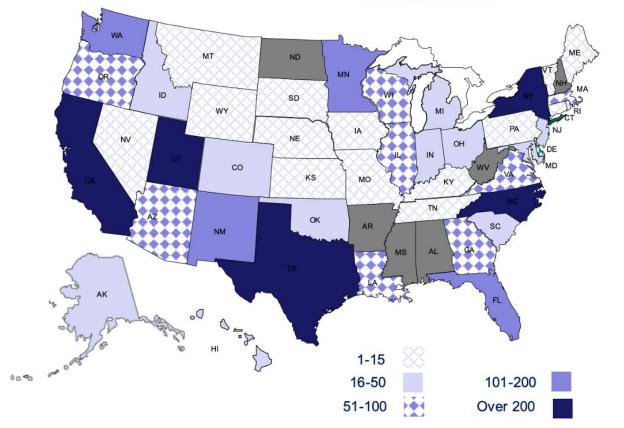
# 2021 Total U.S Chinese PK-12 Programs\* = **620**

Utah Chinese Dual Language Immersion (DLI) schools comprise 30% of all Chinese immersion programs in the U.S. 在全美国实施中文沉浸式项目(DLI)的学校中, 犹他州占有百分之 30.

\*Asia Society CELIN Student Program Directory



Figure 1
DLI Programs 2021



### **3600+ DLI Programs**

### 美国双语沉浸式项目

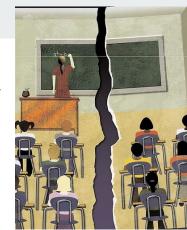
**Spanish = 80%** 

**Chinese = 8.6** %

**French = 5.0 %** 



# American Education Challenge: The Achievement Gap and Equity



What does the 'Achievement Gap' refer to?

The achievement gap is the persistent **disparity in academic achievement** between minority and disadvantaged students and their white counterparts.

学业成绩差距是少数族裔和弱势学生与白人学生在学业成绩上的持续差距。



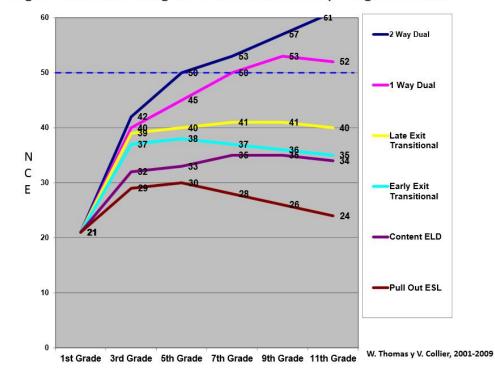
### Support for Multi-Language Learners (MLL)

- **1.Pull Out ESL** Students identified as English learners are gathered from another class at regularly scheduled times to provide EL instruction in a different location.
- **2. Content ELD** EL instruction that incorporates subject content to help students develop their skills in the English language.
- **3. Early Exit Transitional** Goal to **expedite the acquisition** of the **second language** so that language learners **can be integrated** into classrooms with native speakers. Less emphasis is placed on progress made in other subjects.
- **4. Late Exit Transitional**-A bilingual program that serves a student identified as limited proficiency in **both English and another language**, and transfers the student to English-only instruction when prepared.

### Dr.'s Wayne P. Thomas and Virginia P. Collier Study



English Learners' Long-Term Achievement by Program Model





# The Astounding Effectiveness of Dual Language Education for All

"We have been truly amazed at the **elevated student outcomes** resulting from participation in dual language programs."

- 15 states
- Large and small school districts
- All U.S. regions
- Urban, suburban, and rural communities

"..dual language schooling closes the academic achievement gap in L2 and in first language (L1) students initially below grade level, and for all categories of students participating in this program."

### 2019 Federally Funded Study Results 美国联邦政府资助的研究结果

502,000 **Utah students**/26,000 DLI Students 5 Languages

" 犹他州**双语沉浸式**的学生在语言艺术, 数学和科学等学科的标准化测试中均明显优于**同校的同年级**学生, 所有测试**都**以英语进行。"

对于以英语为母语的人和非英语为母语的人都是如此。



Partnership to Study Dual Language Immersion Scale-Up in Utah Steele, Watzinger-Tharp, Slater, Roberts, & Bowman, 2019



# 2022 Washington State Dual Language Vision For ALL



### Identity & Achievement with Dual Language

#### **Asset-based Education**

- Builds strong home-school connections
- Advances identity development
- Honors the language of the family, community, or Tribe

#### **Closes Opportunity & Achievement Gaps**

- Multilingual/English Learners
- American Indian/Alaska Native students
- African American & Black students
- Students with special needs
- High graduation rates for historically underserved student groups (e.g., Mount Vernon SD, Walla Walla PS, and Highline PS)

Sources: Genesee & Lindholm-Leary, 2013; Lindholm-Leary, 2016a; Lindholm-Leary & Howard, 2008; Lindholm-Leary & Block, 2010; Thomas & Collier, 2002, 2012, 2017.



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#### **Dual Language Benefits All Learners**

#### **Research-Supported Benefits**

Students who receive dual language education:

- · Achieve high levels of proficiency in the new language.
- Perform as well or better than their peers on standardized tests in English.
- Demonstrate increased literacy development, cross cultural awareness, cognitive flexibility, attention control, memory, information integration, and problem-solving skills.

Sources, Blaystok, 2017; Fox, et al. 2019; Lindholm-Leavy, 2016s; Lindholm-Leavy, 8 Borsato, 2006; Civilade et al., 2016; Rand Education, 2015; Baylor & Lafayette, 2010; Thomas & Collier, 2002, 2010, 2012, 2014, 2017; Swenson & Watzinger-Tharp, 2012.

Cost

Additional \$137 per student/year for dual language education.

Source: Rand Education (2015). Study of Dual-Language Immersion in the Portland Public Schools: Year 4 Briefing.





### The Center for Advanced Research on Language Acquisition (CARLA): Immersion Education

### **University of Minnesota**

- Research and Programs
- Professional Development
- Resources

https://carla.umn.edu/immersion/resources.html



# IMMERSION & DUAL LANGUAGE EDUCATION

OCT. 2-5, 2024







### PART 1

# Basic Immersion Program Components 沉浸式项目基本组成





# 3 Basic Outcomes of DLI: The ABC's 沉浸式教学的三大基本成效

Academic Achievement 学术成就



Bilingualism/Biliteracy 双语能力



Cultural Competence 文化素养





### Academic Achievement + Bilingualism/Biliteracy

### RELATIONSHIP OF CONTENT AND LANGUAGE

学生通过第二语言学习学科内容。











学生借着在多重有意义的语境中 遇到并使用该语言来学习第二语言。



# **Cultural Competence**



# LANGUAGE AND CULTURE ARE INSEPARABLE

语言和文化密不可分

- 学习如何以适合文化的方式使用语言
- ●语言不仅是一扇窗户,而且是理解和与另一种 文化互动的门。





### **UTAH MODEL PROGRAM DESIGN**

- 1. Total Instructional Time
- 2. Two-Teacher Model
- 3. Full K-12 Pathway
- 4. General Education Pathway
- 5. Clear Proficiency Targets





# #1 Target Language Instructional Time Model

### 怎么定义沉浸式?

### 学生在课堂上目标语使用时间的百分比:



100%

90/10

80/20

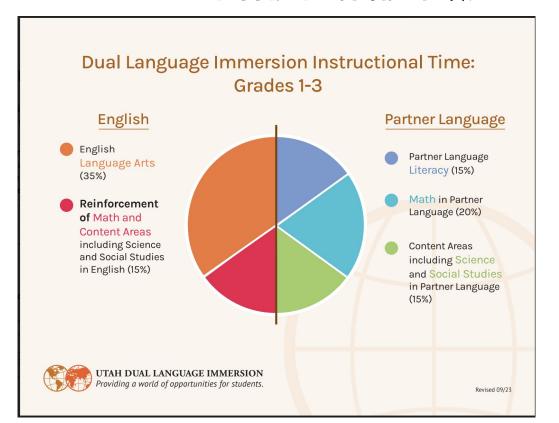
50/50

混合



### #2 Content Instruction Time Two-Teacher Model

### 学科教学时间按年级分配



Minimum Minutes for each subject:

#### Grades 1-3

- Literacy = 4 x 50 min
- Math = 4x 60 min
- Science/Social Studies=2x 30 min



# #4 Full K-12 Pathway

# 犹他州双语沉浸式流程



DLI 持续阶段 7-8年级 AP 语言和文化 9-10年级 DLI 大学衔接课程 10-12年级

K-6年级: 重点掌握 以学科为基础的 语言和词汇

7-8年级: 重点学 习认知技能和文 化加深能力 9年级:重点为学生 学习大学衔接课程 作准备的基准课程 10-12年级:重点将语言应用于全球化就业机会和构建全球化能力



### #3 General Education Program: K-12 年级普通教育项目

欢迎每一位学生

- ●无资格认证
- 无条件录取
- 有残障的学生
- ●在学习上有障碍的学生
- ●英语作为第二语言的学生

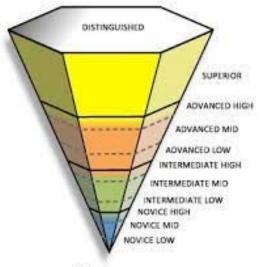


### **#5 Clear Proficiency Targets**

### 犹他州中文沉浸式项目各年级语言水平的目标

#### Chinese & Russian

Grade	Listening	Speaking	Reading	Writing
1	Novice Mid	Novice Low	Novice Low	Novice Low
2	Novice High	Novice Mid	Novice Mid	Novice Mid
3	Novice High	Novice Mid	Novice Mid	Novice Mid
4	Intermediate Low	Novice High	Novice High	Novice High
5	Intermediate Low	Novice High	Novice High	Novice High
6	Intermediate Mid	Intermediate Low	Intermediate Low	Intermediate Low
7	Intermediate Mid	Intermediate Low	Intermediate Low	Intermediate Low
8	Intermediate High	Intermediate Mid	Intermediate Mid	Intermediate Mid
9	Intermediate High	Intermediate Mid	Intermediate Mid	Intermediate Mid
10	Advanced Low	Intermediate High	Intermediate High	Intermediate Mid
11	Advanced Low	Intermediate High	Intermediate High	Intermediate High
12	Advanced Mid	Advanced Low	Advanced Low	Intermediate High







# 以语用水平为目标的项目

### 语用水平是学生能够在以下几个方面使用语言

听

说

读

写



在真实、自然和 无预演的语境下



# **CLEAR TARGETS K-12:**Intermediate Proficiency Focus





### What does proficiency development look like?



# TRADITIONAL FOREIGN LANGUAGE INSTRUCTION



Chinese Vocabulary for Colors				
Black	黑色	Hēisè		
White	Á	Bái		
Yellow	黄	Huáng		
Orange	橙	Chéng		
Blue	蓝色	Lán sà		
Brown	棕色	Zöngsè		
Green	绿色	Lůsè		
Purple	紫色	ZĬsà		
Violet	紫色	Zĭsè		
Red	红色	Hóngsè		
Gray	灰色	Huīsè		



Language is best taught when it is being used to transmit messages, not when it is explicitly taught for conscious learning.

Stephen D. Krashen





# 以语用水平为目标的项目





学习语言

与

语言使用



### THE "HOWs" of IMMERSION INSTRUCTION

# 6 Basic Core Strategies





# 沉浸式教学:全中文环境 + 学术内容







数学 科学 社会学



# 6 Core Instructional Strategies for Dual Language Immersion





### **TODAY'S CORE STRATEGY FOCUS:**



- 1. Content Objectives and Language Objectives 内容和语言目标
- 2. Checking for Understanding and Student Engagement 检查学生理解程度&学生参与



## Core Strategy #1

## 使用内容和语言目标

**Use Content and Language Objectives** 





## **DLI Instructional Core Strategies**





### What Are Objectives?

### 内容目标和语言目标

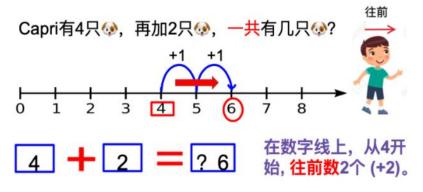


数学目标:

我可以用数字线做加法。

语言目标:

我可以说:在数字线上,从....开始,往前数...(+2)



**学习目标**:明确描述学习者通过参加教育计划或活动将<mark>知道或能够做什么的陈述。</mark>

学习目标:必须是可观察和可衡量

的。

Educational objectives are statements that clearly describe what the learner will know or be able to do as a result of having attended an educational program or activity. Educational objectives must be observable and measurable.



# Why Content and Language Objectives? 内容目标和语言目标的两个目的

1.

# To guide teacher instruction 指导老师的教学

- Fidelity to the content of the standards
   忠实于教学标准
- Rigor of standards链接不同难度的标准

2.

# To develop student learning 帮助学生不断进步

- Accessibility 知识是可获得的
- Ownership 知识是可掌握和拥有的
- Accountability 学习是学生的责任







## 目标的重要性:备课和教学设计的核心



**Objective Based Planning** 

重要性:课程的每个环节都应该和目标相关联



# When and How Do We Use Them? 内容目标+语言目标

Both CONTENT and LANGUAGE objectives should be:				
POSTED	INTRODUCED	INTERACTED WITH	REVISITED	
展示	介绍	互动	重温	



## **Classroom Video Preview Questions:**



#### 观看这位老师的教学视频, 想一想:

- Does he mention content/language objectives?
   他提到了内容目标/语言目标吗?
- How does he guide and engage the students?
   他是如何引导和融入学生的?
- 3. What engagement and instructional strategies does the teacher use to help students understand the meaning of the objective(s)?
  - 这位老师使用了哪些互动和教学技巧帮助学生理解目标的含义?



## #1 准备





### 观看这位老师的教学视频后, 思考:

Does he mention content/language objectives?
 他提到了内容目标/语言目标吗?他是如何做到的?



## #2 一起读目标







### 观看这位老师的教学视频后, 思考:

2. How does he guide and engage the students? 他是如何引导和融入学生的?



## #3解释目标





### 观看这位老师的教学视频后, 思考:

3. What engagement and instructional strategies does the teacher use to help students understand the meaning of the objective(s)?

这位老师使用了哪些互动和教学技巧帮助学生理解目标的含义?



- I CAN....我可以...
- What to do with the content/standard/proficiency target? DOK verbs 要做什么
- What is the content/standard/proficiency target? What are you going to evaluate? 知识点/标准/语用水平目标/考察点
- What methods/tools to use? 用什么方法/方式/工具

### 公式:



I can 我可以 <mark>↓</mark> 我可以

DOK verb 做什么...

比较

content/standard/proficiency target 知识点/标准/语用水平目标



同分母分数的大小

methods/tools 用什么方法/工具



画分数长条图

**──**数学目标: 我可以用画分数长条图来比较同分母分数的大小。

## 例子:数学



I can 我可以 DOK verb 做什么... content/standard/proficiency target 知识点/标准/语用水平目标

methods/tools 用什么方法/工具

数学目标:(标准:建立和发展对数字的概念)

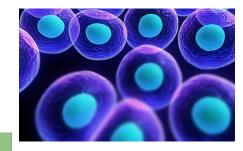
- 我可以在数字线上按大小顺序排列数字的大小。
- 我可以用大于, 小于和等于来比较数字的大小。

## 语言目标:

- 我可以用数字线跟一个朋友解释怎么比较数字的大小。



## 例子:科学



I can 我可以 DOK verb 做什么... content/standard/proficiency target 知识点/标准/语用水平目标

methods/tools 用什么方法/工具

## 科学目标:

我可以用画图表的方式比较动物细胞和植物细胞结构的不同。

### 语言目标:

● 我可以用下面比较的句型来描述动物细胞和植物细胞结构上的不同:

植物细胞和动物细胞都有.....。

植物细胞有……动物细胞也有……。

植物细胞有……,但是动物细胞没有……。





## 例子:中文

交jiāo通tōng工具

I can 我可以 DOK verb 做什么... content/standard/proficiency target 知识点/标准/语用水平目标

methods/tools 用什么方法/工具

中文目标:我可以阐述自己对飞机ズ,火车</a>,汽车</a>。和自行车</a>。种交通工具的看法。

语言目标:我可以使用下面的句型来阐述自己对交通工具的看法。

- .....很快/慢。
- .....比...更快/慢。
- 在…中, ……最快/慢/方便。
- ....和...一样快/慢/方便。

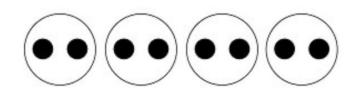


## Which objective is more suitable for DLI classroom?

I can 我可以 DOK verb 做什么... content/standard/proficiency target 知识点/标准/语用水平目标

methods/tools 用什么方法/工具

- A. 乘法的含义
- B. 我知道乘法的含义。
- C. 我可以做乘法。
- D. 我知道乘法是重复的加法。
- E. 我可以用重复的加法来解释乘法的含义。



4 groups of 2 or 2 + 2 + 2 + 2 or 4 x 2

你觉得哪一个目标是有效的目标呢?



六年级:

科学课的成功标准:

我们要学会:

所以我们可以:

我知道我会了当:

Learning Intentions and Success Criteria

For 6th Grade Science

Strand 6.1: STRUCTURE AND MOTION WITHIN

the solar system

Develop and use a model of the

Sun-Earth-Moon system We are learning:

So that we

can:

I know I've

Describe the cyclic patterns of lunar phases, eclipses of the Sun and Moon, and seasons.

6.1.1

Examples of models could be physical, graphical, or I can create a lunar phases chart

with one phase given. got it when: can create a model of the eclipses of the Sun and Moon, and Seasons.

conceptual.



## Core Strategy #2 & #3

### Check for Understanding 检查学生理解程度





Opportunities <u>to</u>
<u>Respond</u>

语言输出的机会



Student Engagement 学生课堂参与





## **DLI Instructional Core Strategies**





### 沉浸式教学:全中文环境 + 学术内容







数学 社会学

How do we know they 'got it'?



## Strategy #2: Checking for Understanding

检查学生理解程度

What is checking for understanding?

The strategies that are used to elicit evidence that the student is understanding the language and content.





### 

### For the purpose of:

- Monitoring student progress (did they improve?)
- Informing instruction (which part didn't they get?)

using OTRs (Opportunities to Respond) as follows...



# Student Engagement = Checking for Understanding 学生课堂参与 = 检查学生理解程度

COGNITIVE 认知 + oral	<b>VISUAL</b> 视觉上的支持 + oral	<b>PHYSICAL</b> 身体的反 <b>应</b> + oral	ORAL 口头反应
思考时间	手势,白板 点击器, 反应卡 大拇指向上 <b>/</b> 向下	TPR 肢体动作 写康奈尔笔记 写下你认为正确的答 案 四个角的游戏等等	对答,小组讨论,伙伴总结,思考-配对-分享,"镜子","教一教",朗读

如何检查学 生是否理解 所学内容?



沉浸式教室中的每一个机会都应与口头反应相结合!

## How do we create student engagement? (OTR strategies)





### Scenario 课堂情景:

The teacher asks a question of students. Some hands are raised immediately. Teacher calls on one of these kids. That answer is close, but not quite what the teacher is looking for. Teacher instantly calls on another student whose arm flies into the air faster than a bottle rocket. This response is correct.

Every other student is now done thinking, whether they understand or not.





# Think Time + Oral Output: 思考时间+口语输出



#### Allow Think Time:

- 1. Ask a question, offer a prompt, show a slide... and wait.
- No hands up. No chatter.
- Depending on what the question or prompt requires in terms of critical thinking, seconds or even minutes might be necessary.



## How do we create student engagement? (OTR strategies)







### Visual + Oral 视觉支持+口语输出

- 手势
- 白板
- 回答卡
- 大拇指向上/下



## [坐地毯规则]





眼睛 🧿 🗊 看老师





听老师



嘴巴



微笑





放好





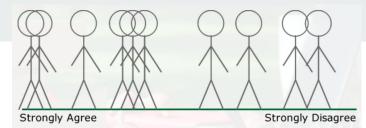




## How do we create student engagement? (OTR strategies)







### Physical + Oral 肢体/动作+ 口语输出

• TPR: Total Physical Response

The teacher performs an action, both demonstrating and saying it (e.g., "I'm brushing my teeth,")

- 站起来走到答案面前
- ◆ 教室四个角落
- Opinion Lines



## How do we create student engagement? (OTR strategies)



沉浸式教室中的每一个机会都应与口头反应相结合!



## OTR的期望利率



• Simonsen, B., Fairbanks, S., Briesch, A., Myers, D., Sugai, G. (2008)

### New Material 新内容

- 4-6 Responses per minute 每分钟4-6次回应
- 80% accuracy 精度达80%

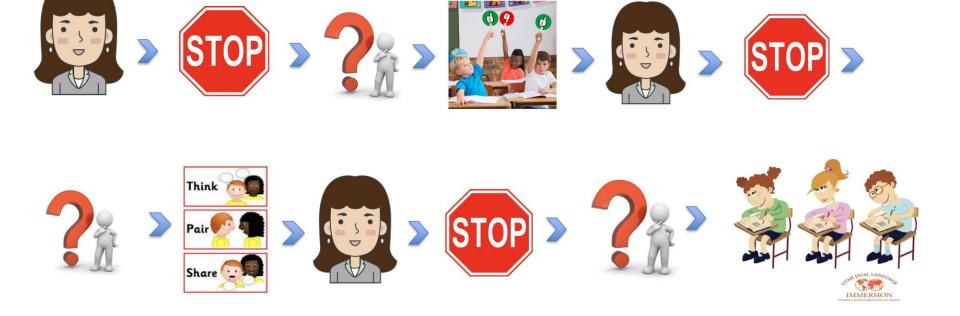
### Practice 复习

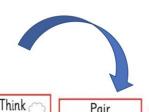
- 9-12 Student responses per minute 每分钟9-12个学生回复
- 90% accuracy 精度达90%

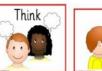


## 频繁地回应机会

A little information goes a long way!

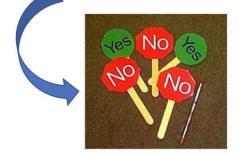








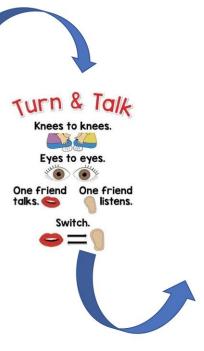




## 学生参与

+

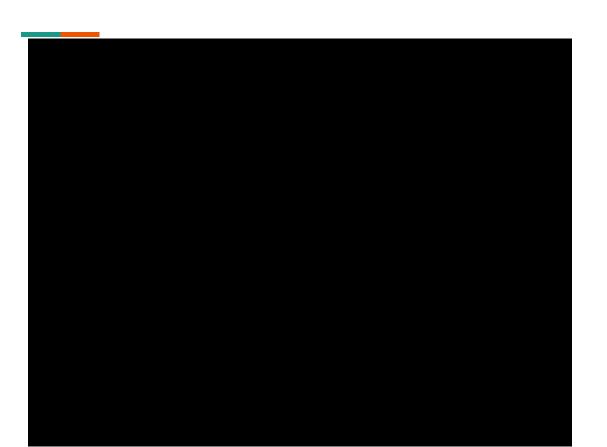




检查理解程度



## 1st Grade English Classroom



这位老师使用了哪些OTR 方法来检查学生理解程 度?

- Cognitive认知
- Visual视觉支持
- Physical 肢体动作
- Oral 口头回答



### **CORE STRATEGY REVIEW**

- Content and Language Objectives 内容目标和语言目标
  - O WHY?
  - O HOW?
- Checking for Understanding/Student Engagement 检查学生理解程度/学生参与
  - O WHY?
  - HOW?
- The Modeling Cycle 示范模式
- Language Support 扩展语言的支持
- Comprehensible Input 可理解输入







### Objectives 目标

#### The "WHY?"

You will be introduced to current data on Chinese immersion programs, and the leading research on effectiveness of this approach in the U.S.

#### The "HOW?"

You will be able to **identify 3 core instructional strategies** used in the dual language immersion instructional framework, and be able to **describe the why and how of each strategy.** 

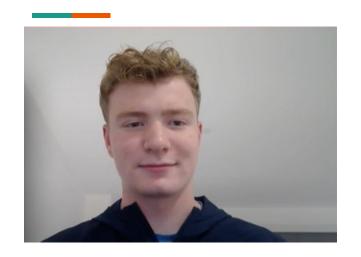


### The World is in Our Students' Hands





### Following Their Dreams: McKay Larsen



This is McKay Larsen, previously from Corner Canyon High School. Hope you are doing well! I am currently interning at the U.S State Department in the Bureau of East Asia and Pacific Affairs. I am specifically working in the office of press and public diplomacy. I recently shared my immersion program experience with our China/TC Public Diplomacy Desk Officer, and he expressed interest in hearing more about the program. He would love to hear more about how the program functions, what relationships have been built in its construction, and other details related directly to the Chinese Immersion Program in Utah. I would love to arrange a time for these discussions to take place. Please let me know when we can make this happen! Thank you for your time!



McKay Larsen • Press and Public Diplomacy Intern Office of Press and Public Diplomacy Bureau of East Asian and Pacific Affairs • U.S. Department of State





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