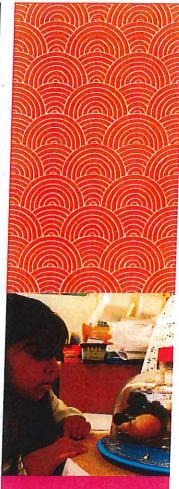


Promoting Academic
Language Development
through Science
Content-Based ELD in
K-2 Classrooms

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Session Overview

Content-based English language instruction integrates language instruction with core subject areas, meeting both the linguistic and academic needs of Emergent Bilinguals. Consequently, content-based ELD instruction offers a more meaningful path to academic language acquisition. Language learning is not in isolation, but rather reinforces what students are learning in their core classes while focusing on systematic language development. Rigorous academic language development is promoted in a meaningful context through collaboration between classroom teachers and ESL specialists. When Science is the content area used to teach, ELD lessons are hands on and experiential, thus highly engaging for young learners.

Session Objectives

Participants will:
Explore an integrated ELD delivery model
Experience a CBELD lesson
Observe vignettes that include lesson delivery and stakeholder voices

References

Students learning authentic content can be highly motivating because it is relevant. (Weisen, 2001)

Content-based ELD provides background knowledge that often lack in content areas, as well as the grammar used in academic language. (Brown 2004)

The content in content-based ELD is cognitively demanding, and the higher order-thinking and problem-solving nature of content-based ELD will result in cognitive growth, which is an additional benefit beyond language development. (Chamot & O'Malley, 1994)

	Balancing Tagboard Shapes Using Counterweights	Comparing How Balls Spin	Categorizing Solids by Shape	Lesson
		,		Forms
				Funct
				nctions
2				

Balls & Ramps Overview

Superlatives adverbs: the fastest, the quickest					
Modal verbs: might, could, will Adjectives: heavy, light Comparative adverbs: farther, faster, at the same time, the same distance,	Comparing & Contrasting	block, ramp, ball, bottom, top		Learning Experience #	
Comparative adjectives: heavier, lighter, smaller, bigger, smoother, bumpier	Predicting/Drawing Conclusions/	Weight, color, size, texture,	Explore the relationship between the weight of a ball and its action on an incline	Teacher's Guide Connection	Week 6 Comparing Balls
Superlatives adjectives: steepest, highest, lowest, most gradual Conjunction: therefore Adverbs: forther, farthest					
Demonstrative Adjectives: this, that Comparative adjectives with -er: steeper, higher, flatter, lower	1	Street, bike jump, roof, door wedge, hill, slide			
Modal; could Gerunds: leaning, taping, adding, taking away, building, stacking Adjectives: bigh law steen flat	Evaluate & Interpret	Ramp, inclined plane, inches, block, book,	Explore the relationship between the height of ramp and how far it rolls	Insight pgs. 142-147, 157-160, 162	Week 5 How Balls Behave on Ramps
Positive/Negative verbs: is/is not Possessive Pronouns: my, your, mine, yours			3	94	
Reflexive pronouns: yourself, myself, ourselves Adverbs: straight, somewhat, very, not at all Gerunds	2	shoulders, data, beach ball, golf ball, tennis ball			-
Adjectives: straight, round, bumpy, round, oblong	Evaluate & Interpret	Ball, shape, curve, back,	and how roundness of balls and how roundness affects the way a ball rolls	Insignt pgs. 120, 121	Roundness of Balls
Future tense verbs Subjunctive conjunction "while"					Mook
Smootn/rough, squishy/firm Conjunctions: but, while, because Adjectives to describe surfaces: hard, soft, bumpy, flat		Different types of surfaces	bounciness, comparing bounciness.		
Adjectives: rubber, wood, plastic, leather Antonym adjectives: solid/hollow, heavy/light,	Expressing Cause and Effect	Different types of balls	exploring bounciness and talking about characteristics that make good and bad bouncers. Magnifications	Insignts PG, 86, 96, 98	Comparing Bounciness
Adverbs; slowly, quickly, rapidly, effortlessly, smoothly		Days of the Week			Mode
Adjectives: Synonyms, Antonyms Ordinal Adjectives; the first, the second Coordinating Conjunctions; but & and	Summarizing	balls, weight, size,	levels of ability to move balls depending on their size and weight.	Connection Learning Experience 4	Balls & Straws
			Ct dents explore the different	Togobor's Ouido	Week 2
Comparative Adverbs -er Adjectives for weight, shape, size, texture Positive and negative Present perfect verbs; "has rolled/hasn't rolled"	Compare & Contrast	Different types of balls	when force is applied.	Connection Learning Experiences 1 & 2	Comparing Balls
Form	Function	Content Vocabulary	Content	FOSS	Topic/Week



Which ball is bouncing

lower higher

is bouncing

The

type of ball

higher

low**er**

than the

other type of ball

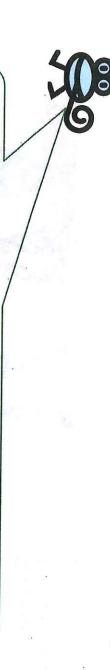


Function:

Describing and Comparing

Form:

Present Progressive Comparative Adverbs and



Which ball is

fast**er** slower

rolling spinning

rolling spinning

adjective type of ball

S

fast**er**

slower

than the

quicker

adjective type of ball



rolling

spinning



Function:

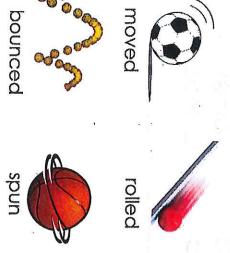
Describing and Comparing

Form:

Comparative Adverbs
Present Progressive Verbs **Adjectives**

Has the adjective type of ball ever moved rolled apun bounced faster quicker slower higher lower than any other ball?

	adjective	Yes, the
	adjective type of ball	has_
spun	moved rolled bounced	,
higher lower	faster quicker slower	
		than the
	adjective type of ball	



Function:

Describing and Comparing

Form:

Adjectives
Present Perfect Verbs
Comparative Adverbs

	round	light	heavy	bouncy
rough	soft	hørd	smooth	bumpy
	enormous	huge	big	large
	minuscule	little	tiny	small

	and and an experience of the second second		No, the
		adjective ball	
	e e Hill	ball	D
			_hasn't ever
	bounced spun	moved	5 H
lower	slow er high er	fast er	
	1 -	 	than the
		adjective ball	
		ball	

bounced spun

moved

rolled

Function:

Describing and Comparing

Form:

Adjectives
Negative Present Perfect Verbs
Comparative Adverbs

Name:	:	2"	Date	:	
© N H. J. H., H., Leithin, L., Chili., M. SHARE, L., LOW, PR. S.	is see that the sees the sees of the sees	Word Bo	ınk	. 1911. 10:01.01.11	at display a series a series
Nouns: clothespired parts: nose Prepositions: on,		S			
	balance the cravish and placing or ow.				
When the c	crawfish was on its	body part	, I attach	ed	er .
counterwe	ght(s) preposition	its	body part		_ and it
balanced	l/didn't balance	PPT 1 - PPP - A-T-P. 1201 1211	TT THE COUNTY OF MANY	6. "." A 1.40" 1, 100.400.40	
When the c	rawfish was on its	body part	, I attac		mber
counterwei	ght(s) preposition	its	body part		and i
balanced	/didn't balance	ran riila ooweara ar access	The distribution for the state of the state	an an recurrent anyenen san	S. or security, Section of
When the c	rawfish was on its	body part	, I attac		mber
counterweig	ght(s) preposition	its	body part	20 to 10 to 20	and it
· · · · · · · · · · · · · · · · · · ·	'didn't balance				

K-2 Science CBELD District Key Elements

The team included:

- ELD TOSAs
- Classroom Teachers
- Immersion Teachers

- ELD Teachers
- Print Shop Staff
- Warehouse Staff
- Media Library Staff
- Administrators
- Secretaries

The planning materials included:

- Multnomah Education School District Scope & Sequence
- A Focused Approach to Systematic ELD Matrix & Binder
- Salem/Keizer ELD Alignment Document modified by PPS Immersion Teachers
- Rigler School's Year-Long Plan
- ELP Standards
- PPS K-2 Science Curriculum

Process included:

- TOSAs turn science kit lessons into 5-day, backward-planned ELD units that increase in linguistic complexity
- TOSAs Cover ELP Standards functions by month (i.e. September-expressing needs and likes, October -describing people places and things, etc...)
- Fall 2012-June 2013-Alignment by teams of teachers
- Fall 2012-June 2013-TOSAs development of K,1,2 CBELD units
- Fall 2012-June 2013- Teachers pilot lessons with support from TOSAs
- Summer 2013-ELD, Immersion, Classroom Teachers, and TOSAs continue developing and differentiating units.
- Summer 2013- Interpersonal Communication Skills Unit produced
- Fall 2013-February 2014 ELD Instructional Specialists Revise Units
- Fall 2013-Initial CBELD Training

Ongoing CBELD projects include:

- Creating PPTs for all visuals
- Pre and Post Unit assessments
- Developing reading and writing connections
- Translating Home Connections
- · Developing One page plans

- Updating Connect
- Surveys
- Addendums for beginning and early-advanced proficiency levels differentiation

Professional Learning opportunities include:

- Orientation sessions
- Release time in Pilot schools in buildings to unpack kits in grade level teams with TOSA support available
- · After school unpacking time for all other schools at our central office
- Pilot school forum to share ideas and concerns

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