## ESL Curriculum Units Template

Grade Level 1
Units \#


ESL Levels 1-4
Unit Title: Understanding dition and Subtraction
Essential Qtest ons=of CHES Unit:
Whydo we add?
Why do we subtract?
How are addition and \$traction related?
Essential Question of the Unit in Accessible Language
What do we do if five have two part and pyat them together?
What do we do if we hate large gropond neollo share some parts of
If we add two parts to get total, chane subtract a part from the total
to get the o kierpit?
Standards Identification

## CCSS included in this Unit

1.OA. 1 Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown
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number to represent the problem.
1.OA. 3 Apply properties of operations as strategies to add and subtract. Examples: If $8+3=11$ is known, then $3+8=11$ is also known. (Com mutative property of addition) To add $2+6+4$, the second two numbers can be added to makk afen. $s$ ) $2+6+4=2+10=12$. (Associative property of addition)
1.OA. 5 Relate counting to addition and
1.OA. 6 Add and subtract within 20 , demonstrating fluency for addition and subtraction within 10. Use strategies such as counting of; making ten (e.g., $8+6=8+2+4=10+4=14$ ); decomposing a number leading to a ten (e.g., 13-13-3-1=10-1=9); using the relationship between addition and subtraction (e.g., knowing creating equivalent but easier or known sums (e. equivalent $6+6+1=12+1=13$ ).
1.OA. 7 Understand the meanifh of the equal addition and subtraction are ttu or false. true and which are false? 6=6, 7

WIDA ELD standards that can be aligned to the CCSS in this Unit and domains addressed
 Grade 1 ELD Standard 3 Language of Mathemales- Speaking, Listening, Reading, Writing
Existing strands of MPIs that match up to the topic(s) of this Unit

|  | Level 1-Entering | Level 2- | Level 3- | Level 4- |
| :--- | :--- | :--- | :--- | :--- |

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|  |  | Emerging | Developing | Expanding | Bridging |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sample Topic: <br> Classroom <br> Activities <br> Domain: Reading <br> Framework: <br> 2012 | Identify numerals and mathematical symbols from illustrated texts related to games or activities to be implemented during the unit with a partner | Identify labelé pictures of numerals and groups of objegts to add and suburact from texts related games or activties implemented during the unit with a partner | dentify key words elated to addition nd subtraction in mustrated texts related to games mptemented luring the unit with partner | Identify key phrases related to addition and subtraction in illustrated texts related to games and activities implemented in the unit with a partner | Identify short sentences related to addition and subtraction in illustrated texts related to games and activities implemented in the unit with a partner |
| Sample Topic: <br> Estimation/Money <br> Domain: Reading <br> Framework: <br> 2007 | Match labeled pictures with general words related to addition and subtraction to pictures of varying quantities | Match words or phrases related to addition or subtraction to inustrated word banks of vayyng quartities | lentif language soceded with detion and btraction in lustrated phrases sentences | Distinguish between language f addition and anguage of ubtraction in illustrated sentences | Order illustrated sentences involving the language of addition or subtraction used to solve grade level problems |

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language proficiency and background.
Left to right directionality.
Be aware of students' current exposure (on 1040 N 10 vocabulary and/or manipulatives used in the curriculum.

Content standards written in accessied euage =
CCS standards in student friendly language that can be posted in the classroom during Unit instruction.
1.OA. 1 We will be using addition and subtractio find and show our answers.
1.OA. 3 We will be writing turn-around facts for
1.OA. 5 We will explain the cou thing strategies backwards, by $2 \mathrm{~s}, 5 \mathrm{~s}, 10 \mathrm{~s}$, and quinting on)
1.OA. 6 We will give answers blycounting of Wh
1.OA. 7 We will describe addition as parts jome together to make a total (that balances/equal).

Topics and themes to present in the Unit

## Grade level topics, themes, and activities that can be used during this unit of instruction andthe possible materials to be used that are aligned to this topic or theme

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These are activities related to Growing With Mathematics

## ACTIVITIES

Read Aloud
Domino Draw
Domino Sort
Circus Match-O (making addition equationsform objects clowns are juggling)
Roll and Count on
Inside/Outside Circle
Adding 1 or 2
Number line jump
Jumping Frogs
Pom-Poms on Wings (Showing


## CLASSROOM MATERIALS/RESOURQES

Domino sets
Domino worksheets
Circus Mat

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Addition sentence cards (2+3)
Dice/Large cubes (\# 1-9)
Counters
Number picture cards
Bean bags/Target mat
Giant Floor number line
Whiteboards/markers
Pom-poms/winged insect mat
Growing with Mathematics Discussion Book
Knowledge and skills needed tof neet the Unit stand firds.

## What students need to know; that is, what are the key concepts/skills embedded in the standard(s)

Counting 1-1 correspondence
Naming numbers
Math vocabulary
Supports and strategies that lend themselves to scaffolding language and accessing content for instruction and assessment in this unit
Inside/Outside Circle (SIOP)
Think/Pair/Share (SIOP)

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Realia - using real world examples and manipulatives
Number lines
Counters/manipulatives
Coins
Part-part-total mats
Pictures/visuals
Teacher modeling
Math vocabulary word wall

## Differentiated Language

Academic language of the tasks differentiated according to the students' levels of language proficiency Vocabulary/grammatical forms/genres that must be pre-taught for students to fully understand concepts

## Word/Phrase Level (Vocabulary)

Equal
Part-part-total
Plus
Minus
Altogether
Add
Subtract
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## Take away

## Sentence Level/grammatical forms

Reading number sentences
Understanding number sentences and worde robloms that are read aloud to students

## Discourse Level(genres/text)

Word problems associated with additionandesumaction
Content and language objective for the unit a $^{\mu}$
Overall content objectives for the unit of instruction
$\checkmark$ Students will model and understand the rehationship between part-part and total.
$\checkmark$ Students will write addition facts to model
$\checkmark$ Students will use drawing
$\checkmark$ Students will be able to V a equality (balance) $1+3=4$, $b$

Overall language objectives based on the academic language strand(s) of MPIs
$\checkmark$ Students will describe addition a twang together to make a total (that balances/equal).
$\checkmark$ Entering and Emerging students will be able to name the part-part-total.
$\checkmark$ Students will be able to orally read math addition and subtraction facts and numbers

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$\checkmark$ Students will describe addition as two parts joining together to make a total (that balances/equal).
$\checkmark$ Entering and Emerging students will he able to name the part-part-total.
Common Summative Assessment and Suggest Fipmative Assessments

## Performance Tasks: Formative/Summative Assessments

Common Summative Assessment: How students demonstrate meeting the objectives and standards through performance tasks and projects

Description of how WIDA speaking and/or writing rubric could be used for scoring the (Summative Assessment if appropriate

These are the tasks students need to demonstrate. The tasks are on our districts Progress Monitoring Sheets:

- Model and solve addition problems using odracts, drawinos. and equations
- Use and interpret the + apd = Signs
- Count on to solve addition poblems
- Model and solve subtraction pralems usind objects grawings, and equations
- Use, and interpret the - and = sions
- Decompose numbers by "breaking" themion two parts and represent with an equation Students are given a topic assessment at the end of every topic. The assessment addresses the above tasks.
Ways to check for students' language development and academic achievement throughout the unit of

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## instruction (Formative Assessment)

Teacher will observe and keep a checklist to ensure that students use academic language while preforming tasks and SIOP strategy adivities like inside/outside circle.

Teacher will monitor students to make suretheylare using the words on the word wall in daily speaking and writing exercises.


Students will complete practice and applidation/activities daily to show understanding of concepts and language presented.

Students will use the Elmo or I-PAD to present and assessment portion of daily lessons.


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