Region XIII ELL Instructional Strategies - Math

Student:	Grade:	Lang. Proficiency Level	
Teacher:	Grading Period:	Date:	
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Methods:			Current Strategies
Build vocabulary card files, word walls, glossaries, notek	books		
Introduce cognates when applicable			
Incorporate content and language objectives in each les	son		
Model methods for problem solving using manipulatives			
Repeat information/methods using gestures and visuals			
Use demonstrations & diagrams to illustrate relationships			
Limit number of variables			
Build/review specific Math vocab. through demonstrations/explanations, compare and contrast (i.e., square, ordinal, etc.)			
Use journal writing to explain/illustrate mathematical processes			
Rewrite problems in simpler form, including pictures; use cognates; paraphrase; highlight key concepts/terms			
Read aloud to students words, phrases, sentences			
Simplify/clarify/restate language			
Provide oral translation of written texts			
Incorporate structured response starters			
Provide alternative methods for completing assignments: Cooperative grouping; peer support; instructional aide; visual/oral/physical responses; cross-age tutoring; individual administration of exams			
Teach quantitative words and prefixes common to math (i.e., deci, centi, milli; more, less, larger, twice)			
Pacing:			
Assign reading and other tasks in smaller chunks, emphasizing thoughtful, quality products/responses			
Avoid writing in a timed situation			
Extend response/processing/completion time			
Materials:			
Make textbooks available in native language when poss	ible		
Have students prepare personal glossaries			
Maintain a library of supplementary reference materials in native language and simple English with visuals: <i>bilin-gual dictionaries/glossaries</i>			
Allow side-by-side Spanish/English texts when available			
Provide visuals/manipulatives: Graphic organizers; charts; slides; graphs; demonstrations; pictures; realia			
Utilize number games that reinforce concepts			
Use word walls, word banks and games: Content specific vocabulary, symbols, and processes			
Provide structured study/note-takings guides			
Grading:			
Avoid penalizing for local errors that do not interfere with communication: Spelling, grammar, etc.			
Utilize rubrics, checklists, anecdotal notes, and portfolios			
Alternative methods: Group projects, oral or physical responses, either/or and yes/no responses			
Learning Environment:			
Label classroom objects in native language and English			
Highlight mathematicians from all cultures			
Post classroom procedures/schedules			
Response to Instructional Strategies:			
Pre-Assessment	Beat	Assessment	
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