PLC MATHEMATICAL PERFORMANCE TASK PLANNING GUIDE

Student Content Learning Objective(s):			Mathematical Practice(s) Addressed with This Task:		
Academic Mathematical Vocabulary STUDENTS SHOULD USE TO SUPPORT THIS			Questions TO USE TO GUIDE STUDENT EXPLORATION:		
Таѕк:					
	INIMUM OF 3 FOR A ROBUST LESSON				
VISUAL	Symbolic	VERBAL		CONTEXTUAL	Physical
Affordances:	Affordances:	Affordances:		Affordances:	Affordances:
Limitations:	Limitations:	Limitations:		Limitations:	Limitations:



Anticipated Student Solutions: Solution #1	SOLUTION #2
Questions you would use to advance this type of student's learning:	QUESTIONS YOU WOULD USE TO ADVANCE THIS TYPE OF STUDENT'S LEARNING:
RUBRIC GRADE:	RUBRIC GRADE:
SOLUTION #3	SOLUTION #4
QUESTIONS YOU WOULD USE TO ADVANCE THIS TYPE OF STUDENT'S LEARNING:	QUESTIONS YOU WOULD USE TO ADVANCE THIS TYPE OF STUDENT'S LEARNING:
Rubric Grade:	RUBRIC GRADE:



MATHEMATICAL PERFORMANCE TASK RUBRIC

	UNDERSTANDING	PLANNING AND EXECUTION	COMMUNICATION	PRODUCTIVE STRUGGLE
	(CONTENT) SHOWS COMPLETE	(MATHEMATICAL PRACTICE) USES ONLY THE IMPORTANT ELEMENTS OF	(MATHEMATICAL PRACTICE) THERE IS A CLEAR. EFFECTIVE EXPLANATION	(MATHEMATICAL PRACTICE) WORKS HARD ON THE TASK AND
4	 SHOWS COMPLETE UNDERSTANDING OF THE REQUIRED MATHEMATICAL KNOWLEDGE. THE SOLUTION COMPLETELY ADDRESSES ALL MATHEMATICAL COMPONENTS PRESENTED IN THE TASK. 	 USES ONLY THE IMPORTANT ELEMENTS OF THE TASK USES AN APPROPRIATE AND COMPLETE STRATEGY FOR SOLVING THE PROBLEM. USES ONLY RELEVANT INFORMATION. USES CLEAR AND EFFECTIVE DIAGRAMS, TABLES, CHARTS, AND GRAPHS. 	 THERE IS A CLEAR, EFFECTIVE EXPLANATION OF THE SOLUTION. ALL STEPS ARE INCLUDED TO THE READER DOESN'T HAVE TO INFER HOW THE TASK WAS COMPLETED. MATHEMATICAL REPRESENTATION IS ACTIVELY USED AS A MEANS OF COMMUNICATING IDEAS. THERE IS PRECISE AND APPROPRIATE MATHEMATICAL TERMINOLOGY AND NOTATION. 	 Works hard on the task and doesn't need much help. Student extends his thinking beyond the problem to make new connections or to create new problems.
3	 Shows nearly complete understanding of required mathematical knowledge. The solution addresses almost all of the mathematical components presented in the task. There may be minor errors. 	 USES MOST OF THE IMPORTANT ELEMENTS OF THE TASK. USES AN APPROPRIATE BUT INCOMPLETE STRATEGY FOR SOLVING THE PROBLEM. USES MOST OF THE RELEVANT DATA. APPROPRIATE BUT INCOMPLETE USE OF DIAGRAMS, TABLES, CHARTS AND GRAPHS. 	 THERE IS A CLEAR EXPLANATION. THERE IS APPROPRIATE USE OF ACCURATE MATHEMATICAL REPRESENTATION. THERE IS EFFECTIVE USE OF MATHEMATICAL TERMINOLOGY AND NOTATION. 	 WORKS HARD ON THE TASK AND ONLY GETS HELP AFTER HAVING TRIED MANY STRATEGIES GIVEN THROUGHOUT. COMPLETES TASK AND WORKS AT THE HARDER PARTS.
2	 SHOWS SOME UNDERSTANDING OF THE REQUIRED MATHEMATICAL KNOWLEDGE. THE SOLUTION ADDRESSES SOME, BUT NOT ALL THE MATHEMATICAL COMPONENTS PRESENTED IN THE TASK. 	 USES SOME IMPORTANT ELEMENTS OF THE TASK. USES AN INAPPROPRIATE STRATEGY OR APPLICATION OF STRATEGY IS UNCLEAR. USES SOME RELEVANT DATA. LIMITED USE OR MISUSE OF DIAGRAMS, TABLES, CHARTS, AND GRAPHS. 	 THERE IS AN INCOMPLETE EXPLANATION; IT MAY NOT BE CLEARLY REPRESENTED. THERE IS SOME USE OF APPROPRIATE MATHEMATICAL REPRESENTATION. THERE IS SOME USE OF MATHEMATICAL NOTATION APPROPRIATE TO THE TASK. 	 CAN DO SIMPLE PARTS OF THE PROBLEM INDEPENDENTLY OR WITH PEER SUPPORT. STARTS WORKING ON THE HARDER PARTS, BUT UNLESS THERE IS HELP, GIVES UP.
1	 SHOWS LIMITED OR NO UNDERSTANDING OF THE PROBLEM, PERHAPS ONLY RE-COPYING THE GIVEN DATA. THE SOLUTION ADDRESSES NONE OF THE MATHEMATICAL COMPONENTS REQUIRED TO SOLVE THE TASK. 	 USES NONE OF THE IMPORTANT ELEMENTS OF THE TASK. WORKS HAPHAZARDLY WITH NO PARTICULARLY STRATEGY FOR SOLVING THE PROBLEM. USES IRRELEVANT DATA. DOES NOT SHOW USE OF DIAGRAMS, TABLES, CHARTS, OR GRAPHS. 	 THERE IS NO EXPLANATION OF THE SOLUTION OR THE EXPLANATION CANNOT BE UNDERSTOOD OR IS UNRELATED TO THE TASK. THERE IS NO USE OR INAPPROPRIATE USE OF MATHEMATICAL REPRESENTATIONS. THERE IS NO USE, OR MOSTLY INAPPROPRIATE USE, OF MATHEMATICAL TERMINOLOGY AND NOTATION. 	 NEEDS HELP, EVEN FOR THE VERY SIMPLE PORTION OF THE TASKS. GIVES UP QUICKLY, OFTEN JUST WANTING SOMEONE TO GIVE THE ANSWER.
0	• NO EVIDENCE AVAILABLE.	• NO EVIDENCE AVAILABLE.	NO EVIDENCE AVAILABLE.	• NO EVIDENCE AVAILABLE.

