Mathematics CFA Template

Pre-Instruction

1. List the Standard. Underline the nouns (what students will know) and highlight the verbs (what student will do):

K.OA.5 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. Fluently add and subtract within 5.

2. Mathematical Practices

1. Make sense of the problem and persevere.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

3. I Can Statements – Put learning targets in student friendly terms.

I can fluently add within 5.
I can fluently subtract within 5.

Depth of Knowledge of the standard (Highlight the Level of the Learning Target):
Level 1 Recall; Level 2 – Skill/Concept; Level 3 – Strategic Thinking; Level 4 – Extended Thinking

4. List the skills students need to know in order to begin this standard:

1. Understand vocabulary terms (add, subtract, putting together, taking apart).
2. Understand properties of addition and subtraction.
3. Solve problems involving the operations of addition and subtraction.

5. What type of assessment am I going to write? [selected response (m/c, t/f, y/n, matching, fill in ___) **or** constructed response (**short:** word, phrase, sentence, single problem; **extended**: multi-step operations in math, problem solving)] List the assessment questions.

Constructed: The students will use manipulatives to solve a given problem (example: #1 John had 2 bears. His dad gave him 3 more. How many bears does he have in all? #2 Danny had 5 bears. He gave Susie 2 bears. How many bears does Danny have left?)

6. Scoring Guide

Exceeds Expectations: In addition to getting 2 out of 2 correct, the student uses vocabulary to explain his/her answer.
Proficient: 2 out of 2 correct.
Approaching Proficiency: 1 out of 2 correct.
Not Proficient: Anything less than 2 correct.

Fact Fluency

Class: _____ Grade: Skill:

Place the date when the student has mastered the following sets of facts.						
Students	0's	1's	2's	3's	4's	5's

Attempts at Fluency in Context

Class: _____ Grade: K Skill: K.OA.5

Student	1st Attempt				2nd Attempt				3rd Attempt			
	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations