![logo] Project Math TRACK	*Project Math TRACK* *PBL Lesson Plan Template*

	Pre-Lesson

	Grade Level: 11th	**Teacher Name/School: Takaingofa Pasai** **Lee Central High School**
	Standards Addressed:	PS.SPCR.1 Describe events as subjects of a sample space and 1. Use Venn diagrams to represent intersections,and complements 2. Represent intersections,unions and complements using venn diagrams. 3. Relate intersections,unions,and complements to the words and,or,and not. 4. Shade two(and three for extension)part venn diagrams for subjects given in verbal and symbolic form of intersections,unions and complements.
g	**Critical Questions to Consider:**	□Is the problem relevant to content/standard(s) being taught? yes □Will the problem incorporate multiple instructional and thinking processes? yes □ Can students solve this problem in multiple ways? yes □ Is the problem high-interest? Will it command student attention? Yes □ Will students develop their own ideas and reasoning skills? Yes

*Scenario***: (no more than 500 words)**
100 people were were surveyed to find out which fast food chain (KFC,Bojangles or McDonalds) they preferred.The following results were obtained;50 liked KFC,66 liked Bojangles,40 liked McDonalds,27 liked KFC and Bojangles but not McDonalds,13 liked Bojangles and McDonalds but not KFC,4 liked all three,94 liked at least one.

1. Draw a venn diagram to represent the above information.   2. How many people did not like any of the fast food chains?   3. How many people liked KFC and McDonalds,but not Bojangles?

Student Reflection / Assessment Activity:
Students will consider a real world scenario similar to the one in the assignment and come up with their own problem and solution.