Physical Science
Data Sheet - Speed/Velocity/Acceleration

Materials Needed
Stopwatch, Data Sheet, Writing Utensil

Procedure
1. In your group of FOUR, TWO will throw/record and the other TWO will run/record.
2. When finished, meet back with your groups and exchange data. Everyone fills out a data chart
3. Calculate average speed for all group throws and runs.
4. Calculate acceleration for 1st-3rd runs.

Note: Bases are 90 ft apart. Mound is 60.5 ft from home plate.

Activity	Speed/Velocity	Tester	Recorder	Average
Baseball				
example	*84 mph*	*Shaul*	*Gray*	*84 + 82 + 79 = 245. 245/3= 81.7 mph*
1				
2				
3				
Softball				
1				
2				
3				
Football				
1				
2				
3				
1st to 2nd				
example	*10.2 seconds*	*Shaul*	*Gray*	*10.2 + 11.4 + 9.9 = 31.5. 31.5/3 = 10.5 sec.*
1				
2				
3				
1st to 3rd				
example	*10.2 sec. to 2nd, 8.4 sec. to 3rd*	*Shaul*	*Gray*	*10.7 ft/s - 8.8 ft/s = 1.9 ft/s. /8.4= .23ft/s/s*
1				
2				
3				