

Skills Event 8

SURVEYING INSTRUMENT SCORECARD

Name(s) _____

State _____

Team Number _____

Criteria	Points Possible	Points Earned
Instrument Set Up and Knowledge		
Instrument set up	10	
Knowledge of builder's level, transit, laser	10	
Determining the benchmark (Point A)	10	
Elevation Readings and Calculations		
Point B	5	
Point C	5	
Point D	5	
Calculated the elevation difference between point A and C	7	
Calculated the elevation difference between point A and D	7	
Cut and Fill Problems		
Calculated the percent slope between A and D	15	
How much fill or cut would be needed between point A and D to create a _____ percent slope?	10	
Explained the marks on a grade stake	5	
Explained the difference between an architect's and engineer's story pole	6	
Properly dismantled and stored equipment	5	
TOTAL POINTS EARNED OUT OF 100 POSSIBLE		

Judge's Comments _____

Judge's Name _____

Judge's Signature _____

Date _____