

# [Kelly virtual school](https://assignbuster.com/kelly-virtual-school/)

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The first issue is that the audiovisual equipment, the keyboard, and the mouse went missing without breakages into the building. Secondly, thieves stole several computers from the computer lab by breaking in through the door windows on the exterior stairwell.   
Assumptions   
Security cameras, door windows with metal instead of glass, sensor gadgets, lighting the rear stairwell, and alarms will not exceed $5000 in cost.   
Course of Action   
COA 1Install cameras in the TV room   
COA 2 Install cameras in the library   
COA 3 Install cameras in the computer lab   
COA 4 Install cameras on the rear stairwell   
COA 5 Install sensor gadget in the door of the TV room   
COA 6 Install sensor gadget in the door of the computer lab   
COA 7 Install sensor gadget in the doors of the library   
COA 8 Mount computers on permanent metal frames in the computer room   
COA 9 Mount the audiovisual equipment on a permanent metal frame   
COA 10 Mount the keyboard on a permanent metal bar   
COA 11 Install an alarm in the rear doors   
COA 12 Install lighting over the rear doors   
The base price must be less than 5000 U. S. dollars   
The money must be divided to fit all the needs   
Must have a minimum of 4 cameras   
Must have a minimum of 3 sensor gadgets   
Must have an alarm   
Criteria   
Cost. Defined as the number of dollars to buy equipment including metals. Less is better. $ 1000   
Electricity. Defined as the amount of payment for electricity per year. More is better. $ 2000   
Maintenance. Defined as the number of dollars that will be spent in maintaining the cameras, lighting bulbs, and sensor gadgets. More is better. $ 1000   
Analysis   
COA 12 failed the criteria because it will exceed the $5000 limit   
Conclusion   
The course of action for putting lighting in the rear doors did not meet the criteria regarding cost and was eliminated from consideration. The remaining courses of action were put on the evaluation criteria of cost and maintenance that meet the safety standard   
Recommendation   
All the cameras, sensing gadgets, and the alarm should be bought and installed.