TEAMS Design/Build Challenge

Participants videoconference with each other and the proctor during this challenge. Teams have two (2) hours and ten (10) minutes to complete the challenge, broken down as follows:

<table>
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<th>Time</th>
<th>Activity</th>
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| Twenty-five (25) minutes: | Challenge Review and Testing Station Set-up:  
1. Proctors release the challenge to the team members.  
2. Each team member must review the challenge and construct a testing station. |
| Forty (40) minutes: | Independent Design Build:  
1. Each team member will independently create a prototype of their design using only approved materials.  
2. Team members will be required to take photos of their individual prototypes to submit with the video of the final solution. |
| Forty (40) minutes: | Team Iteration Process:  
1. Team members virtually collaborate to analyze each prototype to determine aspects that work well.  
2. Team members determine the best prototype then virtually work together to adopt aspects of the other designs to integrate into the chosen prototype to improve the overall design.  
3. Designate one (1) team member as the representative to create a video of the final solution.  
4. Designate one (1) team member to create a multi-page PDF of the photographic documentation from the individual prototypes. |
| Twenty (20) minutes: | Completing the Check-out Sheet and Video Recording of the Final Solution:  
1. The designated team representative will record a video of the final solution preforming the challenge that must be no longer than five (5) minutes.  
2. Teams designate one (1) team member to complete one (1) check-out form to submit to the proctor. |
| Five (5) minutes | Proctors complete the online submission form. |