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*Principal*

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### **Incoming 12<sup>th</sup> grade students**

This is an onsite assignment, if you are unable to participate alone you must have a parent or guardian accompany you. This is not a group project you must complete it alone.

Visit a collision repair center and observe the final prep, masking and painting procedures taking place. You must include pictures and you must be included in the pictures.

Observe a technician sanding primer before the application of paint:

Interview the technician some questions to ask include:

- 1) What type of primer is being sanded and why?
- 2) What grit sandpaper is used in this process and does the basecoat color affect the sandpaper grit selection?
- 3) How do you make sure that too much primer is not sanded off?
- 4) How is the substrate cleaned once the sanding is done?
- 5) Create a short video clip of the sanding process- you must be in the video so do an introduction as to what we are about to see.

Observe a technician masking a vehicle.

- 1) What materials are required to mask a vehicle?
- 2) What techniques are used when masking?
- 3) Does masking differ for priming vs painting?
- 4) Does masking differ for a blend vs a complete respray?
- 5) How are tight moldings and trim masked if they are not removed?
- 6) Create a short video of the masking process- you must be in the video so do an introduction as to what we are about to see.

Observe a technician in the color formulation process:

- 1) How is the color of the vehicle determined?
- 2) Once the color is mixed is it ready to be sprayed on the car?
- 3) If the color does not match what happens next and how is this done?
- 4) What can cause the color mixed to be different from the color on the vehicle?
- 5) Does water base or solvent base affect the color match process, if so how?
- 6) Create a short video clip of the color matching process- - you must be in the video so do an introduction as to what we are about to see.

Create a presentation of the visit with pictures and an explanation for each picture. Remember you must be present in each picture. Include the video in your presentation.

Upload presentation to Google Drive and share with me. Must be done before the first day of school. This is a required project and must be completed.