

# SERVICE SECTOR

## AUTOMOTIVE PAINTER

### GEOMETRIC ART

#### CHALLENGE :

#### Women in Motive Power : Meet Hilary Novak



Hilary is an automotive painter and owner of Ink N Iron Auto. Hilary started her career in auto body doing a co-op placement at a local body shop. Through her three levels of schooling, she was the only female in the program, which motivated her to start an all-female shop of her own. She wanted to create a safe and encouraging place for women to work, to learn from each other and build confidence in their own abilities. In addition, she wanted her shop to be a place for future technicians to come and train.

**What is an Automotive Painter :** An Automotive Painter works on the surface of motor vehicles and restores vehicles finishes, including removing exterior trim and hardware, matching colours and mixing paints, and preparing surfaces for painting.



#### CHALLENGE DETAILS



For this challenge students will have the opportunity to create an art piece using geometric shapes. To paint their artwork, students will use the straw technique to “blow” the paint onto the paper. This technique will mimic the effects of a spray gun which automotive painters use regularly. Students must demonstrate control and precision when painting their work.

**Related Skills Ontario Contests:** Automotive Paint

## CHALLENGE MATERIALS

- Straws
- Paint or markers
- Water
- Masking tape or painters tape
- Pencil and ruler
- 11 x 17 white or black paper or canvas

## CHALLENGE GUIDELINES

1. Students must complete a design plan for their artwork. The design must clearly identify the automotive item being featured (e.g. a car, a spray gun, a car battery, etc.) and the shapes / patterns being used (students must use geometric shapes when creating their design). The design should also indicate what colour will be used where and if they have mixed any colours together. Students must also include all materials used and their name.
2. Once students have completed their design, they are then required to recreate it on either white or black paper, cardboard or canvas.
3. If using paper, students must draw “tape lines”. If students are using cardboard or canvas, they must lay out their design using either masking tape or painters tape.
4. Once the design has been drawn out or taped, students must then paint their shapes using a straw and watered down paint (students can try using a marker by pulling out the tip and inserting it into a straw to do the blowing technique).
5. Once completed, students must display their geometric artwork and take a picture of their finished products.

In addition to completing the challenge, students must complete all other requirements to be eligible for a chance to win a prize! Teacher’s are permitted to submit and upload student submissions.

## RESEARCH GUIDELINES

Students are required to complete a research component for this challenge. Students must:

- Pick a skilled trade career of choice in the construction / industrial / service / motive power sector
- Provide a description of what that career is (3 – 5 sentences)
- Identify the average salary
- Identify tech classes that students can take to help prepare for that skilled trade career
- Identify college programs offered for that skilled trade career
- Identify why that skilled trade is important (i.e. is it in demand?)

**\*\*BONUS:** Students have the opportunity to receive bonus points if they can:

- Identify a famous tradeswoman, who they are, and what they did/do (either a pioneer in the industry or current); OR
- Identify an invention created by a woman in that industry, what it is, what it does and how it made a difference to every day life (i.e. creating a recipe book)

## SCORING/JUDGING

**There are AMAZING prizes to be won and EACH CHALLENGE has first, second, and third place prizes! See website for more details!**

Submissions will be marked based on the following criteria:

Judging Criteria	Points
<b>Design:</b>  Were student's names included? [individual or team of two (2)] Was a design provided? Was the design neat and easy to follow? Was the design creative? Did the design include dimensions? Were all materials used listed?	10 points
<b>Build:</b>  Did the final project match the design? Was the project neatly constructed? Was the project decorated?	10 points
<b>Decorations:</b>  Was the outlined theme followed? Was there a variety of decorations used? Were the decorations appropriate?	5 points
<b>Research:</b>	

<p>Was a skilled trade career listed?</p> <p>Was there a description of the skilled trade provided?</p> <p>Was an average salary noted?</p> <p>Was there a local college noted?</p> <p>Was there a list of tech classes noted?</p> <p>BONUS: Was there a famous tradeswomen identified?</p>	10 points
<p>Photo:</p> <p>Was the entire project clearly shown in the picture?</p>	5 points

**Challenge Total Marks: / 40 points**

### How to Submit

To submit your project, go to <https://www.skillsontario.com/idg> click the button called "Submit Your Project". You will be brought to a website where you must fill out all required information and upload your projects. Teachers can submit on behalf of their students.

Submissions can be a photo of the completed project, with student's name (First name, and first letter of last initial).

Skills Ontario will directly email the winners using the email address provided with the submissions. A complete listing of the winners will be made available at <https://www.skillsontario.com/idg> on November 3, 2023.