



Project

# Fashion Technology

SECONDARY

## 1 INTRODUCTION

### 1. Purpose of the Challenge.

Candidates will make 2 garments:

- Construct a lined vest (pre-fused and pre-cut) with a collar/lapel, welt pocket, separating centre front zipper, and slits at side seams.
- Design, make the pattern, cut and sew a pant for Spring/Summer with a front fly, a waistband, pockets and accessories.

### 2. Duration of the contest.

The total competition time is 12 hours. The vest must be completed and submitted for evaluation within the first 4 hours of the competition. Candidates are permitted to begin working on their pants after they have submitted their vest. The entire pant (pattern, layout, and construction) must be completed in the remaining time (12 hours total). When planning the design details for the pants, candidates should consider the time frame of the competition.

## 2 DESCRIPTION OF PROJECT AND TASKS

Before the competition:

- Candidates must prepare a colour fashion illustration of their proposed pant design with vest. The fashion illustration must be 28cm x 43cm (11"x17"). Do not mount the illustration ahead of time. It will be mounted at the competition site. Points will be deducted if the fashion illustration is not submitted at orientation, prior to day 1 of the competition.
- Candidates must use the watermark croquis (Annex 1) from the Skills Canada website to create a front and back technical drawing of their pant design. The drawing must be done directly on the croquis, and all details (close-ups, etc.) must fit on a single watermark croquis page. Drawings must be in pencil, include a fly front and waistband (as in the basic pant block), and must not be coloured. Points will be deducted if the technical drawing is not submitted on Day 1 of the competition.
- Competitors must also submit their dart manipulation plans using the provided ¼ scale block (Annex 2), on day 1 of the competition.
- Competitors are encouraged to bring a prototype of their design (ex. Provincial or territorial project) to display during the competition.

During the competition on **Day 1**:

### Part 1: VEST (4 hours maximum)

- Competitors will construct a **vest** from pre-fused and pre-cut fabric and lining.
- Vest pattern includes 1 cm seam allowances and the following pieces:

#### 1. Centre Front (left and right)



2. Side Front
3. Back
4. Top Collar
5. Under Collar
6. Front Facing
7. Back Hem Facing
8. Front Hem Facing
9. Handkerchief Pocket Welt
10. Front Lining
11. Side Front Lining
12. Back Lining
13. Pocket Bag Lining
14. Pocket Bag Facing

## **Part 2: PANT (time left after submitting the vest).**

- Competitors begin to draft the pattern, cut, and construct their **pant**
- Design must incorporate the **use of both sides of the fabric**.
- Lining fabric must only be used for the interior of the pants.

During the competition on **Day 2**:

- Competitors will **complete and submit their pants (5 hours maximum)**.

### **Please note:**

- A pant block will be provided. Competitors **must NOT alter or add to the mandatory components listed below**. The final pattern and construction must match the pattern's dimensions, markings and cutting instructions.

### **Mandatory components:**

- Waistband (no belt loops, no topstitching, etc.)
- Fly-front zipper with topstitching
- Button, buttonhole placement, and hook-and-bar
  - \*Competitors will not have access to a buttonhole machine but are required to mark the buttonhole placement.*
- Minimum length: **18 cm below the knee**

**Any project missing one or more of these required elements will be marked incomplete and no points will be awarded for the missing parts.**

- Block for pant includes 1 cm seam allowances and the following pieces:
  1. Front
  2. Back



3. Fly Shield
4. Fly Facing
5. Waistband

- Design must incorporate the transfer or conversion of ALL darts.
- Competitors must arrive on Day 1 of the competition with the dart manipulation plan document completed. (Annex 2)

**Please note:**

- At the beginning of Day 1 of the competition a **mandatory pocket style** (either a **welt or patch**) and specific **measurement** for the **opening** of the pockets (not the overall size) will be drawn.
  - These pockets must be placed on the **exterior** of the pants.
  - Competitors must incorporate **two symmetrical pockets** of this style into their design.
  - Pockets must be identical but position on garment may vary.
- Competitors will update their technical drawing which must be submitted one hour after beginning the pants on Day 1. Points will be lost if the final garment does not match the technical drawing.
- Competitors must respect the ballot draw; incorrect pockets will not be included as an extra design detail.
- Competitors are not permitted to include the style of pocket that was not drawn. *(for ex.: if patch pockets are selected, the design may not include welt pockets).* Competitors will have points deducted if both styles are included.
- **Additional pockets** of a **different style** (ex: in-seam, western) or additional pockets of the selected style may be included as extra design details.
- Competitors must include **two** of the following **design components** on the pants: yoke, or other design lines, vent(s) or slit(s), tabs, straps, added fullness (for ex.: pleats, gathers, tucks), extra pockets, etc.
  - Competitors will **identify their design elements on their technical drawing (#1 and #2) prior to Day 1** of the competition.
- Competitors must also use a **minimum of three types of accessories** provided: snaps, decorative rivets, buckles, ribbon, additional zippers, etc. (Final options to be announced in February 2026).
  - All accessories must be used on the exterior of the pant.
  - Competitors will be asked at orientation to complete a notions order form.
  - Extra accessories will not be provided after the order form has been submitted.
  - Accessories will be evaluated separately from the design elements/components of the pants.



- *For example: if accessories are incorporated into the pockets/design elements, they will not count towards the creativity, difficulty, or construction of the pockets/design element as these factors are assessed within the category of “accessories”.*
- Industry standard **hem treatment** for design must be incorporated.
- At the end of the competition, competitors must **submit all pant pattern pieces (including mandatory pocket pattern pieces which will be assessed)**. Remaining pattern pieces may be used (as a reference only) in the evaluation process.

## MATERIALS

Materials provided by Skills/Compétences Canada:

Candidates are limited to items on the supply list.

Mandatory template outline (watermark croquis) for technical drawing is available online.

Pant supplies:

- 2m (approximately 156cm wide) medium weight stretch denim
- 0.5m lining (approximately 142cm wide)
- 0.5m interfacing (approximately 150cm wide)
- Pattern paper
- Regular zipper: 19 cm
- Button 1.2mm
- Hook-and-bar
- snaps, decorative rivets, buckles, ribbon, additional zippers, etc. (Final options to be announced in February 2026).
- Thread (2 colors)

Vest supplies:

- Pre-fused, pre-cut vest pieces and pocket placement marked.
- Pre-cut lining pieces
- Zipper 20.5cm
- Thread

Fabric swatches, pant block and vest pattern are available through Provincial or Territorial Skills offices by February 2026.

Please contact your Provincial or Territorial Skills office for any competition updates.



WRITING



CREATIVITY & INNOVATION



NUMERACY