Construction Problem-Solving in Fashion Design

Best Practice Showcase

Context

This handout introduces the concept of originality in garment design, encourages analytical thinking and a habit of a systematic approach to problem solving and decision making.

Rationale

With the practicality and increasing requirements for digital design and 3D toiling, this activity is designed to keep learners connected to realistic outcomes of construction and fit of a garment.

Benefits for learners

Gain confidence in identifying unreliable tools and unrealistic models, compare to tech packs and Clo3D toiling. Prompt discussion on generative machine learning and translation of ideation of design to realistic planning of a garment.

Benefits for educators

Gain knowledge of learner's comprehension of use of AI, intellectual property, ideation vs. execution and provide formative feedback on construction interpretation from drawings, applicable to Clo3D toiling and tech packs.

Tips

Practicing visual analysis: The current free flow of visual references and information can mean attention to detail is not instinctive in an everyday setting. This handout encourages learners to practice quality control as a reflex to visual designs.

Reinforcement of knowledge: The activity reinforces the importance of basic construction knowledge to design, fit, style, buy, merchandise, produce and market fashion products and is used after a Clo3D or Illustrator Tech Pack session.
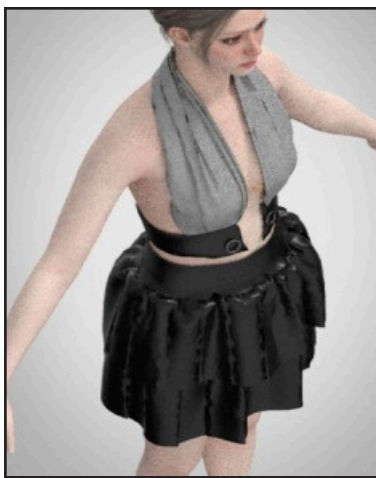
Problem solving: Learners can create a connection between ideation and realisation of a design, going through necessary steps and missing links that would make the garment possible for manufacturing, selling, and advertising.

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Construction Problem Solving

Active Learning Activity 1

Find the discrepancies between the simplified Clo3D model and the AI Generated garment:

- What was added in the prompt?
- What is the proposed fabric?
- Does AI understand the fit and construction?

Work in groups. Identify the trims used in the AI model:

- What materials have been used?
- How many and which pattern pieces can you identify?
- Is this a realistic fit and weight for the fabric?

Active Learning Activity 2

Find the discrepancies between the illustrative line up and the AI Generated line up
Circle construction mistakes and impossibilities

- What was added in the prompt?
- What fabrics are included?
- Does AI understand the fit and construction?
- Would you consider this a successful interpretation of the line up? Justify your answer.