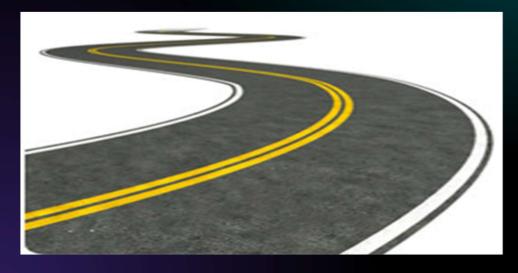
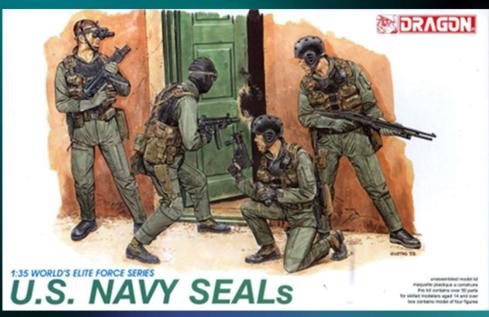
ANTHONY WONG
APRIL 2024



The Journey Begins Here

- DML 1/35 US Navy Seals released in 1992
- Box art by Ron Volstad





Shortcomings of Stock Figures

- Awkward Pose and incorrect proportion
- Lack details
- Not the desired outfit
- Accuracy issue
- Availability
- Pricey

Figure Conversion

- Remove/enhance existing details
- Adjust limb positions and heights
- Correct/recreate new details



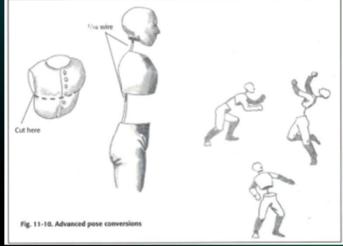




Figure Conversion





素体製作の手順

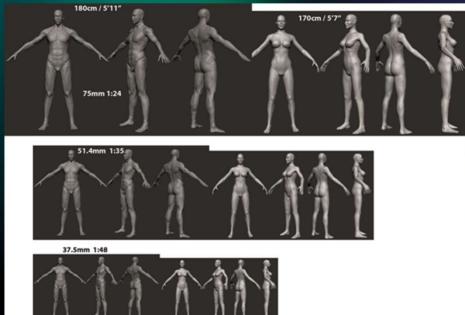
Source: Yoshioka, "Diorama the Perfection", 2011, Dai Nippon Painting 大日本繪畫

- [1] Tools and Materials
- [2] Preparations
- [3] The Process 1-2-3
- [4] Demo Put everything into practice
- [5] Thought Sharing

[1] Tools and Medium

Scale Reference Diagram

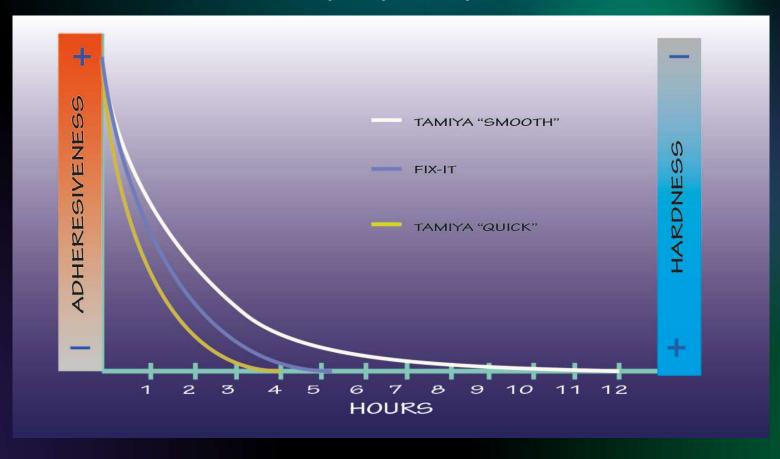




Be familiar with your mediums



Two critical Attributes of Epoxy Putty: Adhesiveness and Hardness



Super Sculpey vs Epoxy Putty



Project: "Errand Boy" 54mm

Sculpey

Curing agent Oven bake Curing Curing time 4 – 12hr 12 min. @ 120C Pliable Ductile Pliable Brittle Shattered if Scratch resistant scribed hard Hardness Hi-density Fair Adhesiveness Superior Fair Heat resistant Low melting Hi **Smoothing** Water Water Paint over Yes Yes

Yes

Yes

Polish & Drill

Overlaying

Epoxy Putty

Sculpey



Yes

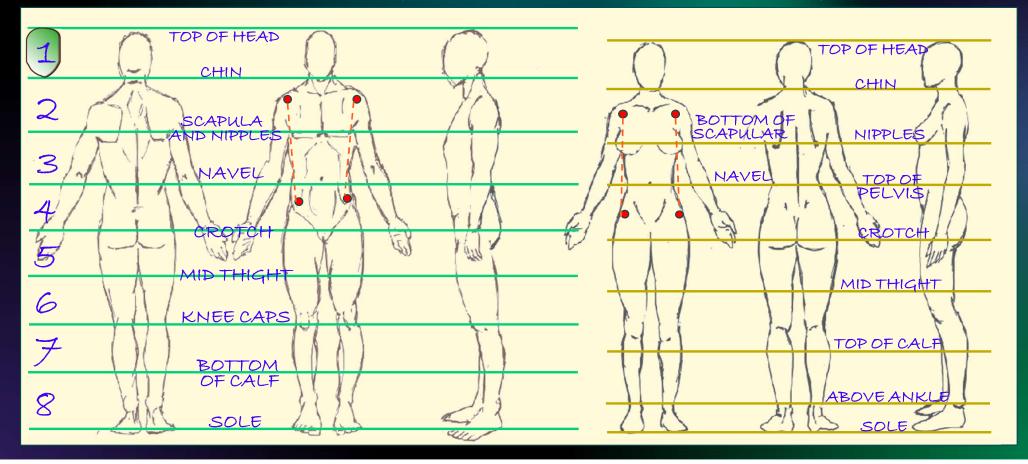
Yes

Project: "Duke 6 in position" 1:35

Scratch-building Scale Figures [2] Preparation

- 2.1 Research
- 2.2 Observe
- 2.3 Study

Research: General Proportion and Basic Anatomy



Research: General Proportion and Basic Anatomy



The "S" curve

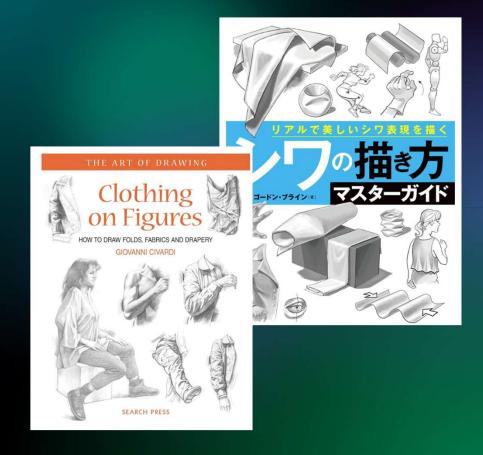


Observe: the body dynamics



Study: the dynamic of clothing





Source: https://www.artstation.com/artwork/o0Vem

Study: the dynamic of clothing

Thick vs Light





Study: the dynamic of clothing



Artist Mariana Gorbea

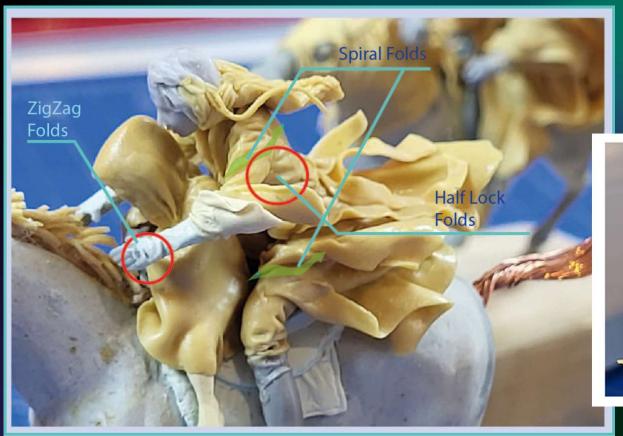
Study: the dynamic of clothing



Study: the dynamic of clothing

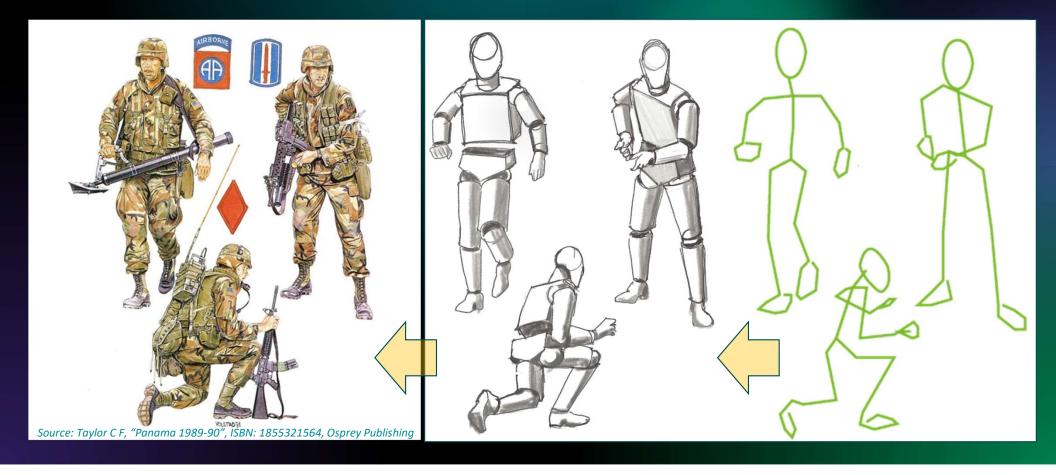


Study: the dynamic of clothing

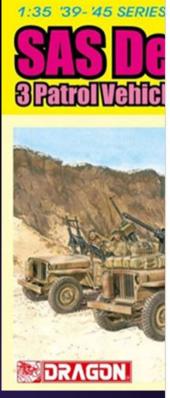




[3] The process 1-2-3

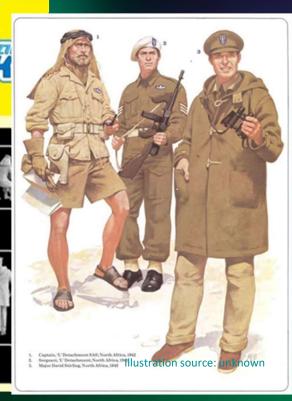


[4] Put everything into practice



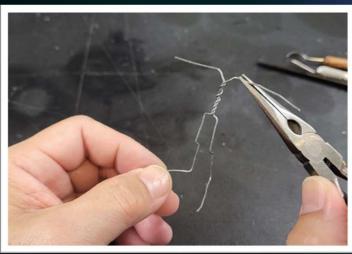






Step 1: Armature, material: 1mm picture frame wire





Step 1: Armature, material: 1mm picture frame wire



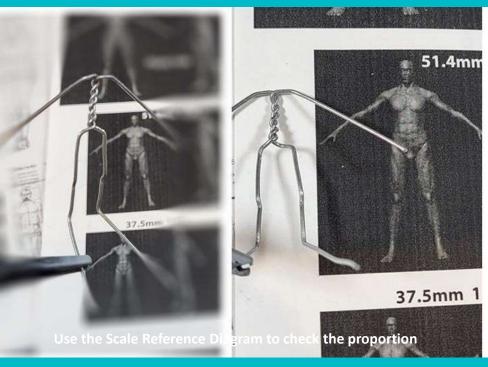


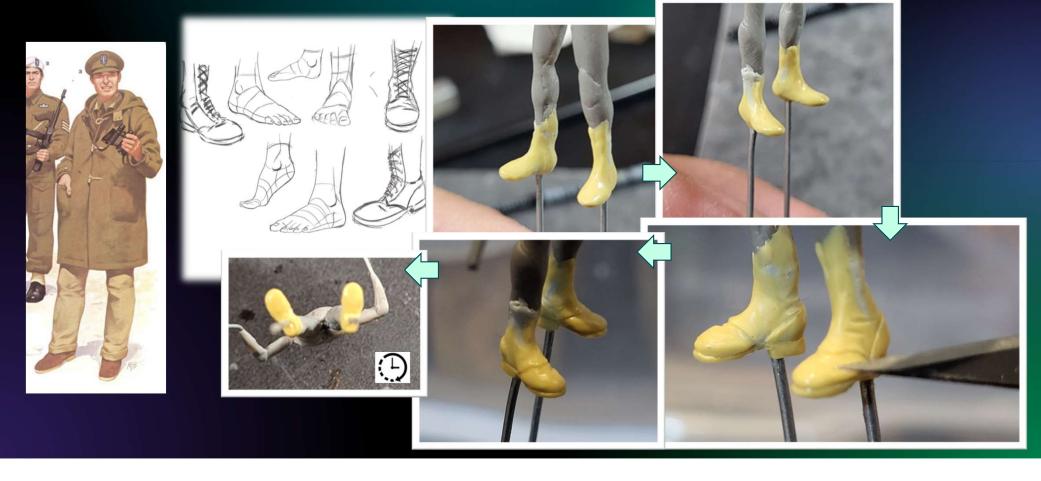


Illustration source: unknown

Scratch-building Scale Figures Step 2: Build up the body mass using Sculpey



Step 3: Sculpt the layers



















Step 3: Sculpt the layers





Step 3: Finish









Sharing #1: Scratch build only when necessary



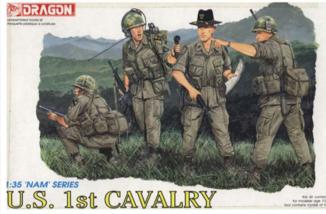
Sharing #2: Use reference photos



Project: "Charlie Don't Surf", 1:35 (2023)

Source

- Live models
- Movie screenshots
- Photo archive
- Documentaries
- Box art





Sharing #3: Don't rush your work

- Be patient, work on one small area per session
- Limit your work time
- Putty curing takes time
- Don't fight fatigue

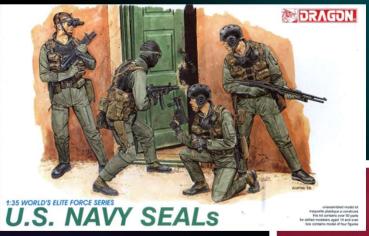


Sharing #4: Play the role of your character



Immersive Empathy

- https://webdesign.tutsplus.com/how-to-practice-immersive-empathy-in-design-thinking--cms-31217a
- https://focusu.com/blog/practising-immersive-empathy/







































Q&A