

THE DRAWING PATH

Surface Texture

A Complete Lesson Plan

BEGINNER

HOBBYIST

PROFESSIONAL

Lesson 5 · Shading & Texture

Teach Yourself to See

thedrawingpath.com

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SKILL LEVEL 1

BEGINNER

Surface texture communicates material and depth.

1

Surface Texture — Beginner

What Is Surface Texture?

Surface texture is the visual and tactile quality of a surface — smooth, rough, porous, fibrous, granular, scaly. In drawing, texture is created by using marks that mimic the visual rhythm of the actual surface: tiny repeated strokes for fur, closely packed dots for sandpaper, wavy lines for water, irregular overlapping marks for rough stone. Texture adds material identity and tactile believability — it tells the viewer what the surface would feel like to touch.

A critical principle: texture is always subordinate to value and form. A beautifully textured surface that has wrong values or wrong form will still look unconvincing. Establish value and form first, then add texture within the existing value structure.

[VISUAL EXAMPLE]

Four 5cm x 5cm swatches showing simple textures for: smooth metal (uniform, barely perceptible), rough stone (irregular clustered marks), wood grain (parallel flowing lines with knot variation), fabric weave (regular grid with slight variation). Each labeled.

How Light Reveals Texture

Texture is most visible when lit at a raking (low, sideways) angle — the same light direction that makes wrinkles and bumps on a surface cast tiny shadows across their surfaces. Frontal light flattens texture by eliminating the micro-shadows between surface bumps. When drawing texture, visualise the microscopic shadow system created by the tiny surface irregularities — each bump casts a tiny shadow, and each tiny shadow contributes to the overall texture appearance.

Common Mistakes

Texture applied regardless of value zone

Applying the same texture density in light areas and dark areas. In lit areas, texture is most visible (raking light catches the bumps). In deep shadow, texture is suppressed.

Texture that doesn't curve with the form

Applying texture in a flat pattern rather than following the surface's curvature. Texture marks must bend with the surface they describe.

Texture before form and value

Beginning texture application before the form and value structure are established. Texture disrupts value structure if applied first.

Beginner Exercises

Texture Library

35 min

TRAINS: Building a reference of 8 basic textures

STEPS

1. Draw 8 texture swatches (5cm × 5cm each): smooth skin, rough stone, fabric, wood grain, fur, metal, water/glass, and one of your own choice.
2. For each swatch: practice until you can produce a convincing texture fill.
3. Focus on the specific mark that creates each texture (direction, size, spacing, pressure variation).
4. Label each swatch with the mark-making approach used.

SELF-EVALUATE:

Can you produce all 8 textures convincingly? Which texture required the most practice to make convincing?

Texture on a Form

25 min

TRAINS: Applying texture to a curved surface

STEPS

1. Draw a cylinder (a tin can) with a rough stone or brick texture on its surface.
2. The texture marks must follow the curvature of the cylinder — they are not flat.
3. The texture density should vary with value: denser in the half-tones, suppressed in deep shadow.
4. Compare a version with flat texture to the version with texture following the form — which is more convincing?

SELF-EVALUATE:

Does the texture follow the cylinder's curvature? Does the texture density variation with value make the cylinder feel more three-dimensional?

Still Life — Two Material Types

30 min

TRAINS: Contrasting surface textures in one drawing

STEPS

1. Draw a still life with two objects of very different surface textures: e.g., a smooth ceramic mug and a rough stone, or a polished apple and a fabric.
2. The texture contrast between the two objects should be the primary descriptive goal of the drawing.
3. Form and value take precedence — texture is added within the value structure.
4. The two objects should feel completely different to touch based on the drawing alone.

SELF-EVALUATE:

Are the two textures clearly different in character? Does the texture contrast make the drawing feel more materially convincing than a single-texture drawing?

Raking Light Study

25 min

TRAINS: Using light angle to reveal texture

STEPS

1. Find or create a textured surface (rough paper, a wall, a piece of stone or bark).
2. Observe it under frontal light (texture is flat) and under raking/side light (texture is strongly revealed).
3. Draw the same surface twice: once lit frontally (smooth-looking), once lit at a raking angle (strongly textured).
4. The same surface under different lighting should look like different materials.

SELF-EVALUATE:

Does the raking light version look more textured than the frontal light version? Can you reproduce this effect from observation in your drawing?

Beginner Resources

Alphonso Dunn — Pen and Ink Drawing

amazon.com/search?q=alphonso+dunn+pen+ink

Comprehensive texture rendering in pen and ink. Clear beginner-to-advanced treatment.

Ctrl+Paint — Surface Texture

ctrlpaint.com

Free library. Texture creation and application in the context of digital painting.

Proko — Drawing Textures

youtube.com/user/ProkoTV

Free. Applied texture rendering for figure drawing subjects.

SKILL LEVEL 2

HOBBYIST

Complex organic textures and texture as depth cue.

2

Surface Texture — Hobbyist

Texture and Form Interaction

On complex or compound surfaces, texture follows the form's curvature in three dimensions. A texture on a sphere wraps around it — the texture marks converge at the edges, get smaller as they approach the silhouette, and rotate as they follow the surface. This is one of the most challenging texture skills: the texture marks must describe the surface's curvature at every point, not just sit on top of it. The discipline is treating each texture mark as if it were a tiny contour line of the surface.

Complex Organic Textures

Organic textures (skin, bark, fur, feathers, scales) are complex because they are irregular and layered — they have a macro structure (the overall scale and direction of the texture) and a micro structure (the individual marks within that structure). Learning organic texture requires both understanding the macro organisation (which way does the fur flow? where are the bark ridges deepest?) and the micro marks that fill that organisation. Study from direct observation is irreplaceable for organic texture.

Common Mistakes

Organic texture without macro organisation

Drawing individual fur or bark marks without understanding the overall flow direction of the texture. The macro organisation (flow lines) must be established before individual marks.

Texture density uniform across all depth planes

Texture should become less distinct at greater distances (aerial perspective applies to texture too). Background textures should be suggested, not rendered in full detail.

Texture marks that don't wrap the form

Texture applied as a flat overlay rather than marks that follow and reveal the surface curvature.

Hobbyist Exercises

Portrait Skin Texture Study

55 min

TRAINS: Micro-texture on the face

STEPS

1. Draw a close-up portrait study focusing on skin texture.
2. Identify the macro organisation: skin pore pattern, wrinkle directions, transition zones.
3. Draw the underlying value structure first.
4. Add texture within the value structure: fine stippling or crosshatch for pore texture, slightly larger marks for wrinkle depth.
5. The texture should vary: coarser at older/rougher areas, finer at smoother areas.

SELF-EVALUATE:

Does the skin texture accurately reflect the facial surface quality? Is the texture clearly subordinate to the value structure (not competing with it)?

Organic Material Deep Study

60 min

TRAINS: Bark, stone, or fabric at high resolution

STEPS

1. Choose one organic material (rough tree bark, weathered stone, or heavy woven fabric).
2. Make 3 studies of increasing resolution: (1) macro view (overall texture character), (2) medium zoom (texture rhythm and repeat), (3) close-up (individual texture elements at maximum resolution).
3. All three studies should feel like the same material at different scales.

SELF-EVALUATE:

Do all three resolution studies feel like the same material? Which resolution level was hardest to render convincingly?

Texture as Depth Cue

45 min

TRAINS: Reducing texture density with distance

STEPS

1. Draw a textured surface (a brick wall, a stone path, a field of grass) receding into the distance.
2. Foreground: maximum texture detail and density.
3. Mid-ground: reduced detail, marks smaller and more suggested.
4. Background: texture almost entirely suppressed or reduced to a tone.
5. Perspective convergence of texture marks in addition to density reduction.

SELF-EVALUATE:

Does the texture density reduction successfully create depth? Can you identify the different depth zones from texture density alone without perspective lines?

Environment Texture Survey

60 min

TRAINS: Multiple surface types in one scene

STEPS

1. Draw an environment that contains at least 5 distinct surface types (e.g., a garden: stone wall, wooden fence, leaf texture, grass, soil).
2. For each surface: choose and apply an appropriate texture mark system.
3. All texture must be applied within the existing value structure.
4. The textures should collectively make the environment feel materially specific.

SELF-EVALUATE:

Are all 5 surface types clearly distinguishable through texture? Does the overall texture variety make the environment more believable than an un-textured version would be?

Hobbyist Resources

Alphonso Dunn — Pen and Ink Drawing

amazon.com/search?q=alphonso+dunn+pen+ink

Complex texture rendering. The natural texture chapters are especially strong.

James Gurney — Color and Light

gurneyjourney.com

Texture and material in the context of light and rendering.

Ctrl+Paint — Advanced Texture

ctrlpaint.com

Free library. Organic and complex texture creation in depth.

SKILL LEVEL 3

PROFESSIONAL

Texture as visual voice and designed element.

3

Surface Texture — Professional

Texture as Visual Voice

At the professional level, texture is a component of visual voice — the distinctive visual language that identifies an artist's work. Some artists are known for exceptionally detailed, observed texture (hyperrealism); others for deliberately simplified or stylised texture; others for invented texture systems that have no real-world counterpart but are internally consistent. The professional's texture approach is developed consciously and applied consistently, not discovered accidentally from subject to subject.

Designed Texture

In character design, game art, and animation production, texture is often designed rather than observed — a character's skin texture is a visual design decision that must balance realism, stylistic language, and production reproducibility. A texture that is too complex is difficult to reproduce consistently; a texture that is too simple loses material identity. The professional designs textures that are: distinctive enough to communicate the material clearly, simple enough to reproduce consistently, and aligned with the overall visual language of the project.

Common Mistakes

Texture that conflicts with the project's visual language

Applying photorealistic texture detail in a stylised illustration, or using overly simplified texture in a realistic one.

Texture system inconsistent between subjects

Different approaches to skin texture on different characters in the same project. Texture should be governed by a project-wide style guide.

Over-textured surfaces at the expense of form readability

Texture so dense that the underlying form is obscured. Form always takes priority over texture.

Professional Exercises

Visual Voice Texture Development

8 x 30 min

TRAINS: Developing a signature texture language

STEPS

1. Over 8 drawing sessions, experiment with 8 different approaches to texture: photorealistic, simplified, abstract marks, gestural, stippled, hatched, invented, and one other.
2. For each: draw the same subject (a hand or face close-up) with that texture approach.
3. After all 8: evaluate which approaches align with your aesthetic goals.
4. Develop a "texture specification" for your personal style.

SELF-EVALUATE:

Does the texture specification accurately describe a coherent texture language? Which approach was most expressively satisfying?

Production Texture Design

120 min

TRAINS: Designing reproducible texture for a project

STEPS

1. Design a character for a project with a specific visual style (choose: realistic game art, graphic novel, animation, or your own).
2. Design a texture system for the character's main surfaces: skin, hair, costume.
3. Write a texture specification: what marks, at what scale, in what distribution.
4. Draw the character 3 times (different poses) applying the texture specification consistently.
5. Could another artist reproduce your texture from the specification?

SELF-EVALUATE:

Is the texture consistent across all 3 poses? Could the specification be given to another artist and produce consistent results?

Stylised vs Realistic Texture Study

90 min

TRAINS: The spectrum of texture abstraction

STEPS

1. Draw the same subject (a close-up face or hand) 5 times along a spectrum from hyperrealistic to fully abstract.
2. Version 1: photorealistic texture (maximum detail and accuracy). Version 3: impressionistic/simplified. Version 5: fully abstract marks that suggest the surface without describing it. Versions 2 and 4 are intermediates.
3. Evaluate where on the spectrum is the most effective balance between material description and stylistic coherence.

SELF-EVALUATE:

Does the spectrum exercise reveal a natural home for your texture language? Which level of abstraction produced the most compelling result?

Texture Sheet for a World

150 min

TRAINS: Designing textures for a complete visual world

STEPS

1. Design 12 surface textures for a fictional world — specify the visual language of the world first (e.g., stylised fantasy, hard sci-fi, fairy tale).
2. For each surface type (stone, wood, metal, fabric, skin, etc.): design a texture mark system consistent with the world's visual language.
3. Apply 5 of the 12 textures to an environment illustration.
4. The environment should feel as if it belongs to a coherent visual world.

SELF-EVALUATE:

Do the 12 textures feel like they belong to the same world? Does the environment illustration feel visually unified through the consistent texture language?

Professional Resources

James Gurney — Color and Light

gurneyjourney.com

Professional treatment of texture and material. The texture in natural and manufactured surfaces chapters.

The Gnomon Workshop — Character Design

thegnomonworkshop.com

Production texture design for character art. Industry standard.

CGMA — Visual Development

cgmasteracademy.com

Paid. Texture design within visual development workflow for games and animation.

Master Exercise Index

All exercises consolidated for quick reference.

Beginner

#	Exercise Name	What It Trains	Duration
B1	Texture Library	8 basic textures	35 min
B2	Texture on a Form	Curved surface texture	25 min
B3	Two Material Still Life	Contrasting textures	30 min
B4	Raking Light Study	Light angle and texture	25 min

Hobbyist

#	Exercise Name	What It Trains	Duration
H1	Portrait Skin Texture	Micro-texture on face	55 min
H2	Organic Material Study	Three resolution levels	60 min
H3	Texture as Depth Cue	Density and distance	45 min
H4	Environment Texture Survey	5 surfaces one scene	60 min

Professional

#	Exercise Name	What It Trains	Duration
P1	Visual Voice Texture	Signature language development	8×30 min

P2	Production Texture Design	Reproducible specification	120 min
P3	Stylised vs Realistic	Abstraction spectrum	90 min
P4	Texture Sheet World	World texture design	150 min

Resource Directory

All recommended resources, consolidated.

Beginner

Resource	URL	Notes
Alphonso Dunn Pen Ink	amazon.com	Comprehensive texture rendering
Ctrl+Paint Surface Texture	ctrlpaint.com	Free texture creation
Proko Drawing Textures	youtube.com/user/ProkoTV	Free applied texture

Hobbyist

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Professional

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Gnomon Character Design	thegnomonworkshop.com	Production texture design
CGMA Visual Development	cgmasteracademy.com	Paid world texture workflow