

Google Gemini 3

Complete Guide — Standard Operating Procedure

Follow along step-by-step to master AI image, video, and app generation

Tool	URL
Google AI Studio (FREE)	aistudio.google.com
Gemini App (FREE)	gemini.google.com
Cursor IDE (Pro)	cursor.com
Design Inspiration	dribbble.com • mobbin.com



Pre-Setup Checklist

Complete these steps BEFORE starting the demos:

- ☐ Open Google AI Studio in a browser tab (aistudio.google.com)
- ☐ Sign in with your Google account
- ☐ Select "Gemini 3.0 Pro Preview" from the model dropdown
- ☐ Have this SOP document open on a second screen or printed
- ☐ Optional: Open Dribbble.com in another tab for design inspiration

 **Note:** Free tier has rate limits. If you get errors, wait 1-2 minutes and try again.

Part 1: Build a 3D Interactive App

Time: ~2 minutes | Difficulty: Beginner

What You'll Build

A fully interactive 3D Lego-style builder where you can place bricks, change colors, and rotate the view — all generated from a single prompt.

Step-by-Step Instructions

1. **Go to AI Studio:** aistudio.google.com
2. **Select Model:** Choose "Gemini 3.0 Pro Preview" from dropdown
3. **Copy the prompt below** and paste it into AI Studio
4. **Press Enter** and wait ~30 seconds for generation
5. **Test the app** in the preview panel on the right

Copy This Prompt:

```
Create a 3D Lego-style builder app using Three.js where I can:

- Place different brick sizes (1x1, 2x1, 2x2, 4x2)
- Change brick colors
- Rotate the view with mouse drag
- Stack bricks on top of each other

Make it fully interactive with a modern dark UI.
```

Follow-Up Prompts (Optional)

After the app is generated, try these to add features:

- "Add an undo button"
- "Let me save and load builds"
- "Add a delete mode"

Part 2: Create a Landing Page in 60 Seconds

Time: ~3 minutes | Difficulty: Beginner

The Secret: Use a Screenshot

Instead of describing a design from scratch, show Gemini what you want by uploading a screenshot of a website you like.

Step-by-Step Instructions

1. **Find inspiration:** Go to dribbble.com or your favorite website
2. **Take a screenshot:** Cmd+Shift+4 (Mac) or Win+Shift+S (Windows)
3. **Paste into AI Studio:** Drag the image or Ctrl/Cmd+V
4. **Add your prompt:** Copy the prompt below and customize it
5. **Press Enter** and wait for generation

Copy This Prompt:

```
Build a landing page for [YOUR BUSINESS NAME], a [DESCRIBE YOUR BUSINESS].
```

```
Tagline: "[YOUR TAGLINE]"
```

```
Colors: [YOUR PRIMARY COLOR] primary, dark mode background
```

```
Style: Like linear.app - clean, modern, minimal
```

```
Include:
```

- Hero section with product mockup
- 3 key features with icons
- Social proof section (logos)
- CTA button with hover animation
- Mobile responsive

Example Filled In:

```
Build a landing page for FlowState AI, a productivity SaaS that helps remote workers focus better.
```

```
Tagline: "Focus smarter, not harder"
```

```
Colors: Indigo (#6366F1) primary, dark mode background
```

```
Style: Like linear.app - clean, modern, minimal
```

Pro Tips for Better Results

- **Specify your style:** "In the style of linear.app" or "Like Apple's website"
- **Request animations:** "Add smooth scroll animations and hover effects"
- **Specify responsive:** "Make it mobile-responsive with a hamburger menu"

Part 3: Generate Infographics with Nano Banana Pro

Time: ~2 minutes | Difficulty: Beginner

What is Nano Banana Pro?

Google's advanced image generation model. It's the first AI that can render **perfect, legible text** in images — ideal for infographics, thumbnails, and branded content.

Step-by-Step Instructions

1. **Go to AI Studio:** aistudio.google.com
2. **Select Model:** Choose "Nano Banana Pro" from the dropdown
3. **Copy the prompt below** and customize [YOUR TOPIC]
4. **Press Enter** and wait for image generation
5. **Download** the generated image

Copy This Prompt:

Create a high-quality infographic explaining [YOUR TOPIC].

Style: Blue ink on light graph paper background, like an architectural sketch.

Requirements:

- More visuals than text
- Show relationships between concepts
- Good spacing between topics

Make it detailed and educational.

Topic Ideas That Work Great

AI/Tech	Business	Science
How AI Agents Work	Marketing Funnel	The Water Cycle
RAG Architecture	Customer Journey	How Vaccines Work
ML Pipeline	Startup Funding Stages	Compound Interest

Part 4: Generate Videos with VO 3.1

Time: ~3 minutes | Difficulty: Intermediate

What is VO 3.1?

Google's video generation model. Creates 8-second videos at 720p/1080p with **native audio generation** — dialogue, sound effects, and ambient noise are automatically synchronized.

Key Capabilities

- **Native Audio:** Conversation, music, and sound effects auto-generated
- **Image-to-Video:** Animate your Nano Banana images
- **Scene Extension:** Chain clips together for longer videos
- **Character Consistency:** Use reference images to maintain continuity

Product Demo Prompt:

Create an 8-second video showing this [product image] rotating smoothly with pulsing neon lights.

Cinematic lighting, upbeat electronic music.
Camera slowly zooms in.
End with logo fade in.

Social Content Prompt:

Two people talking in a coffee shop about something exciting.
Natural conversation with ambient café sounds.
Include hiss of espresso machine, quiet chatter, cup sounds.

Scene Extension Prompt:

Extend the video:
Camera pulls back to reveal the full product lineup.
Text overlay appears: "Available Now"
Fade to brand logo.

Part 5: Complete Workflow — Campaign in 15 Minutes

Time: ~15 minutes | Difficulty: Intermediate

This workflow combines all three tools (Gemini 3 Pro, Nano Banana, VO 3.1) to create a complete social media campaign from scratch.

Step 1: Strategy (Gemini 3 Pro)

Tool: Gemini 3.0 Pro Preview

Create a social media campaign strategy for launching a new fitness tracker.

Target audience: millennials, aged 25-35, health-conscious, active on Instagram and TikTok.

Include key messaging, content ideas, posting schedule, and hashtags.

Step 2: Images (Nano Banana Pro)

Tool: Nano Banana Pro

Generate three images for a fitness tracker launch:

1. Product showcase: tracker on wrist during workout
2. Lifestyle shot: person checking stats post-run
3. Feature infographic: heart rate, steps, sleep tracking

Style: Vibrant, energetic, fitness magazine aesthetic.

Step 3: Video (VO 3.1)

Tool: VO 3.1

Create an 8-second video showing the fitness tracker on someone's wrist during a morning run.

Cinematic golden hour lighting.

Upbeat motivational music.

Footsteps on pavement, breathing sounds.

Text overlay: "Your goals. Your pace."

Your Output After 15 Minutes:

- ✓ **Complete strategy document** (messaging, schedule, hashtags)
- ✓ **3+ branded images** (ready for Instagram, LinkedIn)
- ✓ **Product demo video** (with professional audio)
- ✓ **Ready to publish** (no editing required)

Troubleshooting & Pro Tips

Common Issues

Problem	Solution
Rate limit error	Wait 1-2 minutes and try again. This is normal on free tier.
Output looks generic	Add more specific details: colors, style references, layout preferences.
Code has errors	Just ask Gemini to fix it: "Fix the error" or paste the error message.
Wrong model selected	Check dropdown: Gemini 3 Pro for code/text, Nano Banana for images.

6 Pro Tips for Best Results

1. **Be specific, not vague:** "Dark mode landing page in the style of linear.app with blue accents" beats "Make a nice website."
2. **Use reference images:** Screenshots work better than descriptions.
3. **Iterate in small steps:** "Change the button color" then "Add hover animation" — don't fix everything at once.
4. **Name your tools:** "Using Three.js create..." or "In React build..." helps AI choose the right approach.
5. **Don't fear rate limits:** It's free — wait a minute and try again.
6. **Export your code:** AI Studio code is temporary. Copy to your own files for persistence.

— End of SOP —
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