

# 3D Printing Projects: Toys, Bots, Tools, and Vehicles To Print Yourself



3D printer, these projects will excite and empower you to learn new skills, extend your current abilities, and awaken your creative impulses. Each project uses a unique combination of electronics, hand assembly techniques, custom 3D-printed parts, and software, while teaching you how to think through and execute your own ideas. Written by the founder of Printbot, his staff, and veteran DIY authors, this book of projects exemplifies the broad range of highly personalized, limit-pushing project possibilities of 3D printing when combined with affordable electronic components and materials. In *Make: 3D Printing Projects*, you'll: Print and assemble a modular lamp that's suitable for beginners--and quickly gets you incorporating electronics into 3D-printed structures. Learn about RC vehicles by fabricating--and driving--your own sleek, shiny, and fast Inverted Trike. Model a 1950s-style Raygun Pen through a step-by-step primer on how to augment an existing object through rapid prototyping. Fabricate a fully functional, battery-powered screwdriver, while learning how to tear down and reconstruct your own tools. Get hands-on with animatronics by building your own set of life-like mechanical eyes. Make a Raspberry Pi robot that rides a monorail of string, can turn corners, runs its own web server, streams video, and is remote-controlled from your phone. Build and customize a bubble-blowing robot, flower watering contraption, and a DIY camera gimbal.

Alphabet The List Sleep now; fear human nature tomorrow POSTED ON FEBRUARY 16, 2016 Ive had this blog for nearly a decade. Fuck. POSTED IN LIFE A Prayer POSTED ON NOVEMBER 27, 2015 You are, of course, too much I am easily tired and slow Where you run on for days without rest: The God of ultra-marathons and Bolt Who still jogs beside me on my 12-minute mile Where you work without end: The Messenger for Gods without rest or relent Who pulls me to my feet on 14 hour shifts Where you laugh without reserve: The Prankster who steals their best friends cows Who reminds me that may it harm none we all need to have fun Where you lead: The Guide today until death Who rides beside me on long sleepy nights Enagonius, Poneomenos, Mechanotes, Diaktoros Transcendent and eternal You called to me and I fall at your feet I thank you, Lord Hermes, for your blessings and your indulgence as I find my way on your path POSTED IN LIFE TAGGED DRU TALKS GODS, HELLENIC POLYTHEIST, HERMES, POLYTHEISM, PRAYER Drunk Advice From A God POSTED ON NOVEMBER 3, 2015 2 the days are pouring nectar down my throat so thick and sweet that it makes my teeth brittle in exhalation to life and he tastes like spiced wine, in-toxicating and scalding as he elevates me the way a lift carries you as high as you ask it as high as its able He laughs: Burn Your Feet flying through inexorable hours you once spent languishing in despondence Reach out with both your hands for Death and screech your joy when She recoils, smiling POSTED IN LIFE TAGGED DEVOTIONAL STUFF, DRU BLOGS, HERMES, MY STUFF, PERSONAL, POETRY, WRITING Eirwyn p1 POSTED ON JULY 8, 2015 Once upon a time, in a land bordered by a lush, dark wood, there ruled the kind but simple king, Gwirion. Fortunately for his kingdom his young queen, Bywyd was as sharp as he was dull. She advised him in all matters of state, and benevolently attended concerned citizens and visiting dignitaries alike, always with a graceful nod to her husband and a quiet *“May it please your Majesty.”* So it was that they ruled in peace for many years troubled only by the lack of Ysbryd-ane an heir to carry on the divine dragon blood of Gwirions ancestors. When Bywyd found herself full with child at last she rejoiced that their kingdom would be secured, their rule assuredly peaceful for the rest of their lives. And when the child was born, with raven black hair so dark against eyes as blue as lightning and skin as pale as snow, they called her Eirwyn and raised her to understand the five aspects of the dragon that she must ever personify to rule her people. Before her sixth birthday, Eirwyn was already tired of the dusty words she had learned by rote. POSTED IN WRITING TAGGED BLOG, CAMP NANOWRIMO, FAIRY TALE, FEEDBACK PLZ?, WRITING vibrato POSTED ON JULY 8, 2015 OK. Im shaking apart inside Tremors that are too fine to be seen or felt Maybe i can hear them though? If I listen v carefully Cool. Im not really sure why. Maybe minds are meant to fall apart when theyre as delicately stitched together as mine? Ooh or Im picking at the metaphorical seams because Im just so godsdamned bored! Yas. Lets make this an intentional thing Consequences of choices are always easier to stomach Even if theyre shitty Mm. Learn to trust your audience, right? Youre all such bright young things. Your capable and endlessly receptive. Just Like me. POSTED IN WRITING TAGGED IT JUST SEEMS ARROGANT TO CAPITALISE YOUR OWN ME, NOT SORRY, POETRY, SORRY Post navigation† Older posts Subscribe Enter your email address to subscribe to this blog and receive notifications of new posts by email. Join 791 other followers Enter your email address click here to subscribe There was an error retrieving images from Instagram. An attempt will be remade in a few minutes. Twitter Error: Twitter did not respond. Please wait a few minutes and refresh this page. Information This blog was founded by Dru Saxton and Lu Thatcher in February of 2007. Please click About the Blog for more information. 1, 443 posts have been published on this blog since its inception. Blog posts are regularly archived and removed. These archives are available for purchase. Please contact Dru for more information. Updated: May 4, 2012 - 22:35 CDT Tumblr Blogroll Blonde in Asia Book-Addicts Completing the List Creative Copy Challenge Dave Cafe Five Reflections Haiku and Stuff Insight To An Individual Living With Baddies Smashed Collar Bone The Bucket List The Ms Education of Shelby Knox Create a free

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