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Make: Technology on Your Time Volume 27 Mark Frauenfelder, 2011-07-15 The robots are coming MAKE Volume 27 shows you how to build robots that walk fly swim play music dance and even extinguish fires Some of the buildable bots you ll meet include Yellow Drum Machine which roves around looking for things to drum on then drums records and accompanies itself playing catchy rhythms Roomba Recon Roomba robotic vacuum with a wireless router and webcam on its back programmed so you can drive it around your house and see what it sees from a browser window anywhere Hamster Powered Strandbeest which walks around on eight legs powered by a hamster inside its hamster globe head The winning project from MAKE s Most Entertaining Robot contest Tiny Robots made from common electronics components The special Robots section will also include a roundup of hobby robotics highlights and a Primer on using the EZ Robot controller board to turn any animatronic toy into a fully controllable robot that recognizes faces and responds to voice commands **Make: Technology**

on Your Time Volume 05 □□□□□□□□□□, 2008-09 **Make: Technology on Your Time Volume 28** Mark Frauenfelder, 2011-10-30 The first magazine devoted entirely to do it yourself technology projects presents its 28th quarterly edition for people who like to tweak disassemble recreate and invent cool new uses for technology Express your inner child with MAKE Volume 28 featuring toys and games Any maker can tell you that lots of experimentation and play time are essential to developing brainpower and creativity This issue pays tribute to the beloved toys and games you grew up with and their evolution through technology **Make: Technology on Your Time Volume 26** Mark Frauenfelder, 2011-04-15 MAKE Volume 26 Karts Wheels Garage go kart building is a time honored hobby for do it yourselfers and we ll show you how to build wheeled wonders that ll have you and the kids racing around the neighborhood in DIY style Build a longboard skateboard by bending plywood Build a crazy go kart driven by a pair of battery powered drills Put a mini gasoline engine on a bicycle And construct an amazing wind powered cart that can outrun a tailwind Plus you ll learn how to build the winning vehicle from our online Karts and Wheels contest In addition to karts you ll find plenty of other projects that only MAKE could give you A flaming tube that keeps time to music and makes sounds waves visible in fire An aquarium tank to grow your own Spirulina algae superfood An electronic music looper that creates cool sounds and lets you build wild rhythm loops

Make: Technology on Your Time Volume 41 Mark Frauenfelder, 2014-09-11 A whole issue devoted to toys for makers Toys are big players in the maker world From educational STEM STEAM to robotics and science toys provide stimulation simulation and prototyping Make Volume 41 highlights the latest games and gadgets that have come from the maker community and provides hands on inspiration for making your own tech infused toys In the Tinkering Toys issue Build a Mobile Sandbox Excavator Going Pro How to Make Your Toy a Reality Arduino and littleBits Team Up Teach Kids to Program with Robots Retro Renaissance A roundup of perennial toy favorites Erector Set Tinkertoys and more Nerf Sentry Gun Sound Powered Drawbot **Make: Technology on Your Time Volume 25** Mark Frauenfelder, 2011-01-11 The first magazine

devoted entirely to do it yourself technology projects presents its 25th quarterly edition for people who like to tweak disassemble recreate and invent cool new uses for technology MAKE Volume 25 is all about the Arduino Revolution Give your gadgets a brain Previously out of reach for the do it yourselfer the tiny computers called microcontrollers are now so cheap and easy to use that anyone can make their stuff smart With a microcontroller your gadget can sense the environment talk to the internet or other hardware and make things happen in the real world by controlling motors lights or any electronic device The Arduino is an easy to use microcontroller board it s like an R D lab on your kitchen table for prototyping any gadget We show you how to make one and how to use Arduinos and other microcontrollers to make an automatic yogurt maker a vintage Skype telephone a gumball machine that recognizes your secret knock and more Plus make a Helicopter Rocket gourmet Sous Vide food cooker Reverse Geocache treasure box and many more fun DIY projects *Make: Technology on Your Time Volume 30* Mark Frauenfelder, 2012-04-18 The first magazine devoted entirely to do it yourself technology projects presents its 30th quarterly edition for people who like to tweak disassemble recreate and invent cool new uses for technology Until recently home automation was an unfulfilled promise systems were gimmicky finicky user hostile or potentially insecure But today thanks to a new crop of devices and technologies home automation is useful fun and maker friendly Using smartphones wireless networks the internet simple microcontrollers and even gesture recognition DIY style Smart Homes can now do everything promised and more for much less and MAKE shows you how in *Volume 30* *Make: Technology on Your Time Volume 29* Mark Frauenfelder, 2012-01-23 The first magazine devoted entirely to do it yourself technology projects presents its 29th quarterly edition for people who like to tweak disassemble recreate and invent cool new uses for technology MAKE Volume 29 takes bio hacking to a new level Get introduced to DIY tracking devices before they hit the consumer electronics marketplace Learn how to build an EKG machine to study your heartbeat and put together a DIY bio lab to study athletic motion using consumer grade hardware *Make: Technology on Your Time Volume 31* Mark Frauenfelder, 2012-07-18 Why are so many kids and adults like you bored by science Simple you ve had no real contact with it You might read about incredibly expensive scientific projects but your hands on experience is probably limited to the same tired experiments like baking soda and vinegar volcanoes Not any longer Make Magazine s Punk Science issue volume 31 shows you how you can become a real cutting edge amateur scientist Find out how high school and college students can get an introduction to modern biology research through affordable biotech labs provided by Otyp a small Michigan based biotechnology company And learn how a cooperative network of schools and research groups called PEER enables students to learn science by working on real projects with people in the field including the DECA Distributed Electronic Cosmic Ray Observatory that uses Android phones to generate a real time cosmic ray flux map of a large area This issue also shows you how to create these fascinating projects on your own RoboRoach Surgically modify a cockroach with a wireless electronic circuit so that you can control it to turn left or right by micro stimulating its antenna nerves Lord Kelvin s Thunderstorm a little known

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Stoyke,2006-11-01 Most people are unaware that environmental problems such as climate change can be easily avoided at a profit through the intelligent application of appropriate technology The Carbon Buster s Home Energy Handbook describes how to achieve this goal in the residential field The first book in North America to provide a detailed carbon accounting of a family s carbon emissions and how to reduce them it systematically analyzes energy costs and evaluates which measures yield the highest returns for the environment and the pocketbook It provides answers to questions such as Which measure is more effective putting solar panels on your roof or buying a hybrid car Where do I need to invest first in high efficiency shower heads or solar tubes Is a 500 fridge that uses 800 kWh of power per year a good buy The book allows individuals to quickly and accurately assess which products are a good deal and which aren t It systematically analyzes residential carbon emissions and energy costs and prioritizes solutions based on highest carbon reductions and monetary returns yielding results that are often surprising The book enables readers to dramatically reduce their carbon emissions far below the levels targeted under the Kyoto Protocol At the same time readers implementing the recommendations will save an average of 15 000 in energy costs over the next five years **Make: Volume 92** Dale Dougherty,2025-02-04 Wow it s been 20 years since Make magazine hit newsstands and mailboxes We wouldn t be here without you To celebrate we got the original magazine team back together to give a behind the scenes look at creating the very first issue and asked Fab Labs guru Neil

Gershenfeld and visionary tech publisher Tim O Reilly to look back at 20 years of the Maker Movement Plus check out all 90 Make magazine covers But that s not all Our annual Digital Fabrication deep dive explores the coolest high tech tools for your workshop New laser cutters CO2 diode and fiber have more power and lower prices than ever See our breakdown of what cuts what to pick the right type for your cutting needs Then check out innovative new 3D printers and CNC machines or build your own handheld CNC router that automatically helps you cut the right path Plus 23 projects including Use a heat gun flour sifter and pizza pan to build the ultimate DIY coffee roaster 3D print lace fabrics for making garments or decor no 3D modeling skills required Build a rugged water turbine for 50 and generate 200 watts of any time power Use our new Oxocard Connect microcontroller to build a timed Smartphone Safe and take a break from your screen Hack a clever toy and a robot arm to make a bubble blowing companion robot And much more

Building Extreme PCs Ben Hardwidge,2006 Provides instructions on building customizing and modifying a PC with information on components and how to build and test a system along with a collection of customized PCs

Extra/Ordinary Maria Elena Buszek,2011-03-04 Artists critics curators and scholars develop theories of craft in relation to art chronicle how fine art institutions understand and exhibit craft media and offer accounts of activist crafting

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History of Technology Volume 26, 2005 Ian Inkster,2006-03-13 Presents essays concerning about the technical problems confronting different societies and periods and also the measures taken to solve them This book deals with the history of technical discovery and change and explores the relationship of technology to other aspects of life social cultural and economic

New Art and Science Affinities Andrea Grover,2011 New Art Science Affinities was written and designed in one week by four authors Andrea Grover R gine Debatty Claire Evans and Pablo Garcia and two designers Thumb using a rapid collaborative authoring process known as a book sprint The topic of New Art Science Affinities is contemporary artists working at the intersection of art science and technology with explorations into maker culture hacking artist research distributed creativity and technological and speculative design Chapters include Program Art or Be Programmed Subvert Citizen Science Artists in White Coats and Latex Gloves The Maker Moment and The Overview

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