

# Fab Labs

Books, magazines, and other good stuff from the UO Libraries

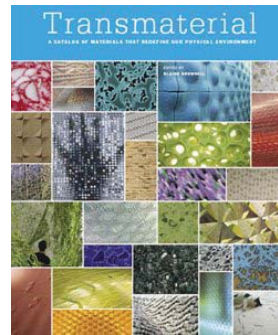
A companion reading list to the Summer in the City courses.  
All books are available on reserve in the UO Library in Portland.



## *Adobe Illustrator CS4 Classroom in a Book*

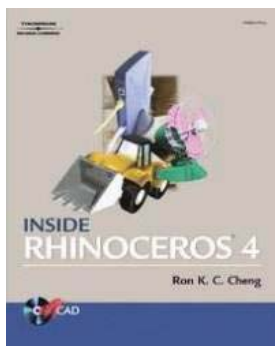
Part of the official training series from Adobe Systems, Inc., this book contains exercises introducing both basic and advanced features of Illustrator. Includes a CD-ROM with lesson files.

Adobe Illustrator is available on all computers in the Library and Learning Commons.



## *Transmaterial and Transmaterial 2*

Catalogs of “materials that redefine our physical environment,” the *Transmaterial* series showcases new and adventuresome materials, from fiber optic rugs to bubble glass.



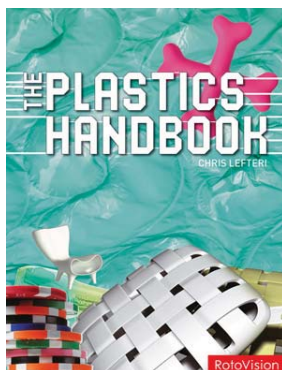
## *Inside Rhinoceros 4*

A comprehensive and up-to-date guide to Rhinoceros software, this book includes conceptual and theoretical introduction to Rhino, as well as tutorials for use.



## *Material World and Material World 2*

As stated in the introduction, “A material without context is no more than a boring toy.” These two books offer a catalog of interesting building materials. Each entry also includes manufacturer information.



## *The Plastics Handbook*

This guide gives an overview of unusual and innovative plastics, including information about their manufacturers, special features, and application. Also includes a glossary, technical specifications, and information about common processes.



## *The Gecko's Foot Bio-Inspiration: Engineering New Materials From Nature*

An exploration of the ways that synthetic materials have been effectively modeled after nature, this book gives examples such as map folds developed from leaf designs and a bridge inspired by a dinosaur skeleton.



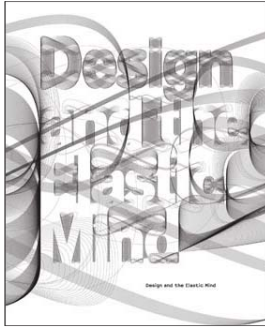
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the library & learning commons  
<http://libweb.uoregon.edu/portland>

# Fab Lab

Websites, online exhibits, and articles

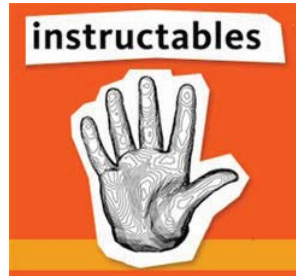
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*Design and The Elastic Mind Exhibit, Museum of Modern Art*

[www.moma.org/interactives/exhibitions/2008/elasticmind/](http://www.moma.org/interactives/exhibitions/2008/elasticmind/)

A 2008 MOMA exhibition focused on the response of designers to massive changes in technology, science, and history.



*Instructables*

[www.instructables.com](http://www.instructables.com)

The Instructables website facilitates the exchange of instructions for projects ranging from modifying Nerf guns to building chairs out of cardboard. Developed out of the MIT Media Labs.



*Rep Rap*

<http://reprap.org/bin/view/Main/WebHome>

The RepRap project aims to create a universal constructor, a machine that can reproduce itself. The RepRap is a 3-D printer whose parts can largely be created by other RepRap machines.



*Freedom of Creation*

[www.freedomofcreation.com](http://www.freedomofcreation.com)

FOC is a design and research company focused on Rapid Manufacturing, often with Laser Sintering machines.



*Fab Central*

<http://fab.cba.mit.edu>

Fab Central, a project of MIT's Center for Bits and Atoms, acts as a clearinghouse for information for Fab Labs around the world, with the eventual goal of Fab Labs being able to produce additional Fab Labs.



*Make Magazine*

<http://makezine.com>

Make seeks to "celebrate your right to tweak, hack, and bend any technology to your own will." The magazine is filled with projects and tips, as well as articles about DIY issues.



*Core 77*

[www.core77.com](http://www.core77.com)

Core 77 offers articles, forums, job listings and other resources for industrial designers and design enthusiasts.

*Science Daily:*

*3-D Printing Hits Rock-Bottom Prices With Homemade Ceramics Mix*

<http://www.sciencedaily.com/releases/2009/03/090331153010.htm>

*Popular Mechanics:*

*Jay Leno's 3D Printer Replaces Rusty Old Parts*

[http://www.popularmechanics.com/automotive/jay\\_leno\\_garage/4320759.html](http://www.popularmechanics.com/automotive/jay_leno_garage/4320759.html)



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