



MIDDLE-SCHOOL STUDENTS
+ INKSCAPE

ROCK STARS!

(Red Hat's Outreach Program)

Máirín Duffy

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9 August 2010 - Boston, MA
LinuxCon Education Mini-Summit

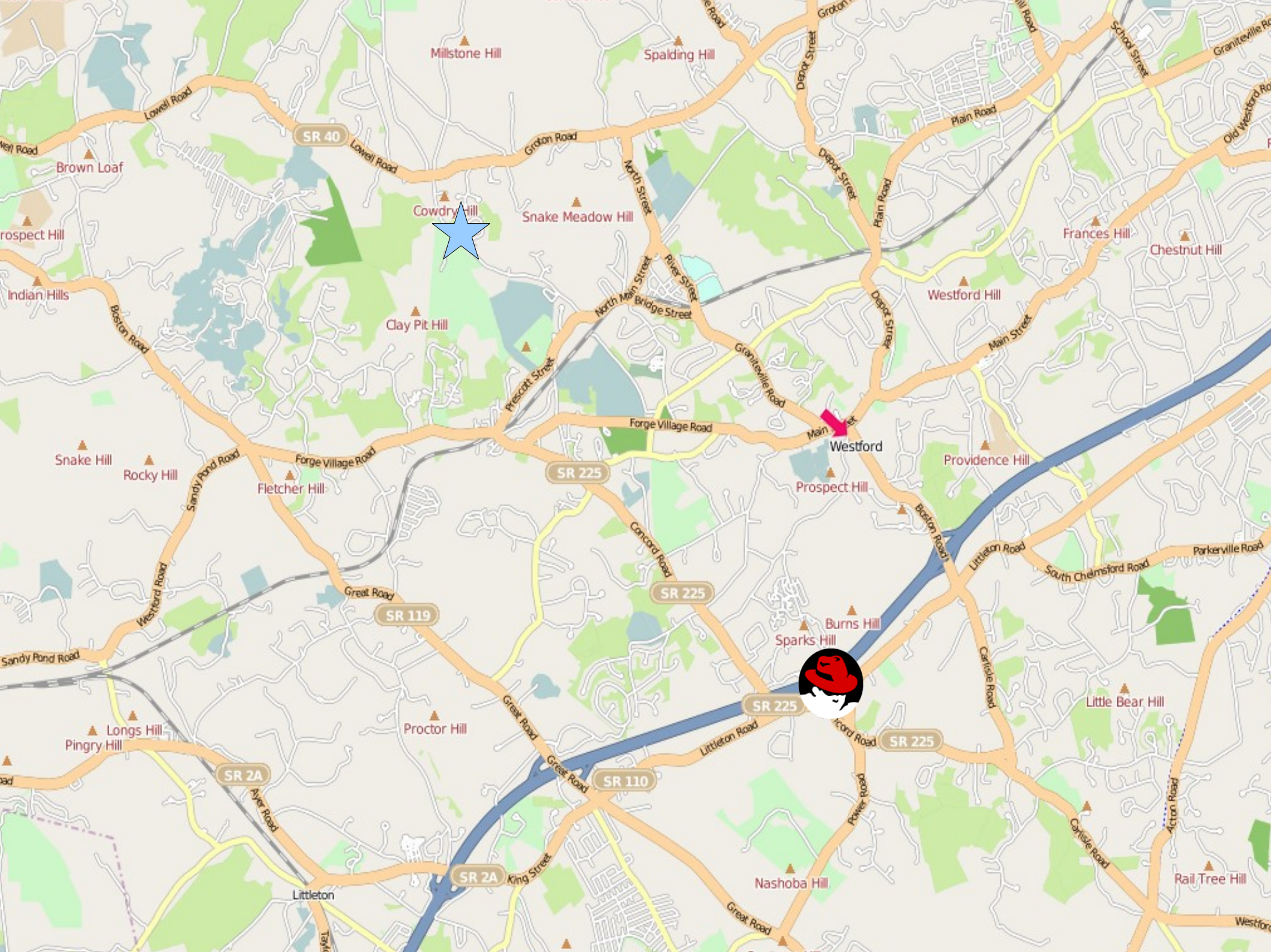


Guinness
Dubai

red bull

THE WORLD
RED BULL

THE WORLD
RED BULL



Millstone Hill

Spalding Hill

SR 40

Lowell Road

Groton Road

North Street

Depot Street

Plain Road

School Street

Graniteville Road

Old Westford Road

Brown Loaf

Cowdry Hill

Snake Meadow Hill

Frances Hill

Chestnut Hill

Prospect Hill

Indian Hills

North Main Street

River Street

Depot Street

Westford Hill

Main Street

Boston Road

Clay Pit Hill

Bridge Street

Graniteville Road

Forge Village Road

Westford

Providence Hill

Snake Hill

Rocky Hill

Fletcher Hill

SR 225

Prospect Hill

Sandy Pond Road

Forge Village Road

Concord Road

SR 225

Littleton Road

South Chelmsford Road

Parkerville Road

Westford Road

Great Road

SR 119

Burns Hill

Sparks Hill

Sandy Pond Road

Longs Hill

Pingry Hill

Proctor Hill

SR 225

SR 225

SR 225

Little Bear Hill

SR 2A

SR 110

SR 225

SR 225

Road

River Road

Great Road

Great Road

Littleton Road

Littleton Road

Littleton Road

Circle Road

Little Bear Hill

Longs Hill

Pingry Hill

Littleton

SR 2A

King Street

SR 110

Nashoba Hill

Carise Road

Rail Tree Hill

Westford





A young record label.
A hot new band.
They need your help!

Blanchard Records, Inc. is a young record label and they've just signed a deal with a hot new band. They think this is going to be their big break, so they want to make a big splash - and it's time to release a new album and kick off a worldwide tour.

There's just one small problem. The band doesn't even have a logo yet!

Your mission, should you choose to accept it, is to create a logo for this new band, along with the artwork for the new album, a design for their worldwide concert tour poster, and their tour T-shirt.

You'll learn how to do this using the free graphics program Inkscape, in a 9-session course at Blanchard Middle School. At the end of the course you'll even get your own tour shirt, designed by you, to wear! Sign up today!

ROCK BAND PROMOTION with INKSCAPE

Introduction To Inkscape

[Log in / create account](#)

INTRODUCTION TO **INKSCAPE**



About This Course

NOTE: This page is under heavy construction and will be updated from January 8 - mid February 2010 - watch this space. :)

This course is aimed towards middle-school students. It spans a total of 8 40-minute sessions. Extra optional activities are provided on a per-lesson basis.

The theme of the course involves Blanchard Records, Inc. It's a young record label and they've just signed a deal with a hot new band. They think this is going to be their big break, so they want to make a big splash - and it's time to release a new album and kick off a worldwide tour.

There's just

<http://linuxgrrl.com/learn>

Your mission, should you choose to accept it, is to create a logo for this new band, along with the artwork for the new album, a design for their worldwide concert tour poster, and their tour T-shirt.

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[Design-team] Inkscape Course for Jr. High Students

Máirín Duffy [mairin at linuxgrrl.com](mailto:mairin@linuxgrrl.com)

Thu Oct 29 04:59:50 UTC 2009

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Hi folks,

My Red Hat office, the Boston office, is going to be doing a program with a local middle school / jr. high (students are 11-14 I think) and I'm going to be teaching a 9 session (45 minutes a piece) course in Inkscape to the students. We are trying to introduce the students to the concept of free software & open content licenses such as Creative Commons, plus teach them how to use this useful tool that might help them in their academic career.

I'm trying to put together a lesson plan for the course. But I fear that it moves way too fast, especially for 45-minute sessions. I know many of you, I am sure, have given Inkscape tutorials to other folks, and I am wondering if any of you would have time to give me advice or even help me develop the lesson plan.

I set up a wiki to store all the materials:

http://linuxgrrl.com/learn/Introduction_To_Inkscape

(I also have materials from a 1-week class I taught at Red Hat High with John Bintz and MentalGuy from Inkscape:

http://linuxgrrl.com/learn/Comic_Book_Creation_with_Inkscape)

~m

- Previous message: [\[Design-team\] Upcoming schedule](#)
 - Next message: [\[Design-team\] Inkscape Course for Jr. High Students](#)
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[More information about the design-team mailing list](#)

Quien usa los #gimp100podcast ? / Who uses #gimp100podcast ?

Posted on Junio 28 2010 by tatica

Si consideras que esta información te ayudo, colabora y [dona 1us\\$](#)

A veces me pregunto en mi esquina oscura de la oficina... ¿Será que mis locuras le llegan a alguien? ¿Será que los videos esos tontos de Gimp los entiende alguna persona? ¿Será que simplemente estoy perdiendo el tiempo?

Hoy un muy amable y excelente profesor de Secundaria de Argentina respondió a mis preguntas. Su nombre es Leonel Ivan Saafigueroa y este es el video que me envió. El incorporó como materia adicional que los chicos aprendan o a programar en linux o a diseñar en linux, y la documentación que está usando para este último no es nada más ni nada menos que mis tontos #gimp100podcast ... Hoy mi agradecimiento es para el, quien le ha dado un nuevo sentido a lo que la colaboración altruística significa.

Leonel... a ver si los ponemos a usar Gimp sobre fedora ya que la nueva versión de Ubuntu no la trae!! jejeje... a ti y a tus chicos... GRACIA!

NOTA: estoy planificando ir a argentina lo más pronto posible a compartir la experiencia con uds... a ver como hago para conseguir el pasaje!!



<http://tatica.org>



00:00



blip.tv

INTRODUCTION TO INKSCAPE

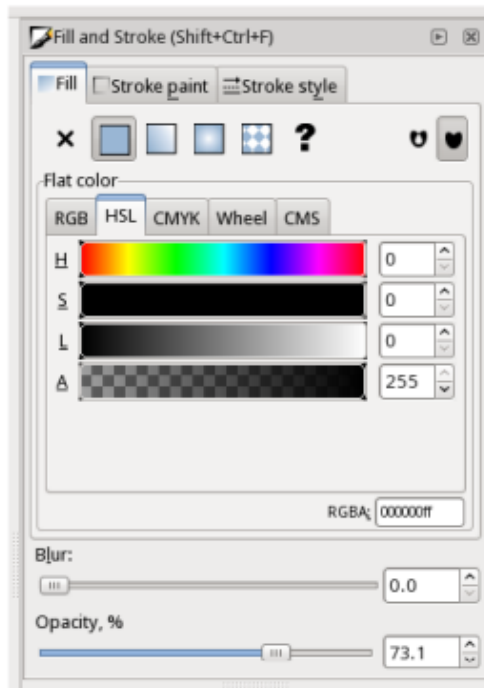


LESSON 3: GRADIENTS & PATTERNS

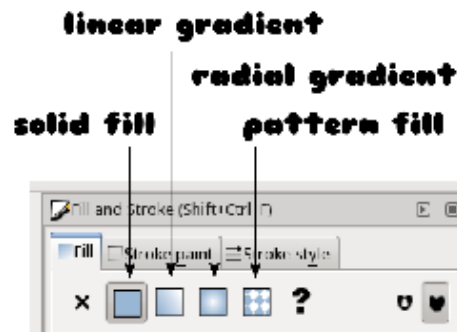
Find out how to make linear and radial gradients and use patterns to fill in your paths!

USING THE GRADIENT TOOL

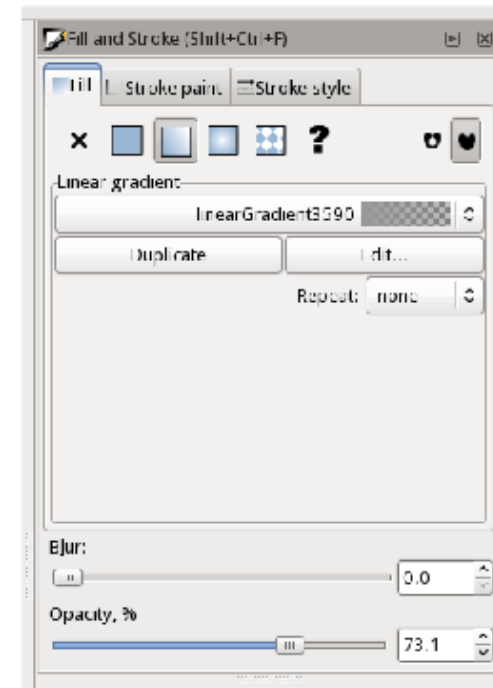
First, draw a shape or path on the canvas – let's draw a circle using the circle tool. Open up the 'Fill and Stroke' dialog by selecting the Objects > Fill and Stroke menu at the top of the screen or by hitting Ctrl + Shift + F. The 'Fill and Stroke' dialog will appear in a dock towards the right of your Inkscape window. With your circle selected, make sure you are on the 'Fill' tab of the dialog, then click on the 'linear gradient' button in the dialog.



Fill and Stroke dialog with a solid fill selected.



Fill type selector – the second from the left is for the linear gradient fill.



Fill and stroke dialog with linear gradient fill selected.

INTRODUCTION TO INKSCAPE



LESSON 2: SHAPES

Learn how to create shapes, paths and how these are the building blocks you'll need to create drawings.

SHAPES

Makes it really easy to make several basic shapes with only a mouse click. We'll find out how to draw these shapes during lesson 1. If you haven't tried yet, go back and try now!



RECTANGLE

Introduction to
Inkscape



CHAPTER

Learn to draw your shapes



The technology needs to 'just work.'





Do a dry-run.





BAMBOO

BAMBOO

wacom

If you're doing a finished product like a T-shirt, do a dry-run of production well-ahead of class.



INKSCAPE
Draw freely.



www.inkscape.org

Give the students time early on to explore the software freely on their own.





Tag-teaming instruction is pretty effective when computers are involved.





Don't be afraid to collaborate with local businesses in supporting your program's mission.



Inkscape Class

Tee Shirt Design Considerations for Blanchard Records, Inc.

Walter Miska
EmbroidMe Chelmsford



Tee Shirt Printing Technologies:

Screen Printing:

- Traditional and most common approach
- Involves making individual screens for each color of ink to be printed in each location
- Plastisol-based ink lays on the surface of the garment
- Vibrant. Uses a white underlay for printing on dark colors. Good white ink.
- Cracks and peels after extended washing, but is quite durable
- Cost effective on large print runs, but can be quite expensive on small runs and/or with multi color prints (due to setup costs).

Screen Printed Transfer:

- First printed on screen paper (same basic process as screen printing), and later transfer to shirts with a heat press.
- Good when you want to print up a bunch of copies of a design with one setup, but actually print shirts at a later date – or as they are ordered.
- Less durable than traditional screen printing

Sublimation:

- Full color image transfer.
- Special ink that when heated becomes a gas that transfers to a shirt and adheres to the fibers
- Only works on polyester tee shirts
- Often printed on large sheets of white fabric, and then cut and sewn into shirts.
- Commonly used for bicycle racing shirts; but we have also done for baseball, basketball, wrestling, etc.

Transfers:

- Common method for one of a kind tee shirts.
- Printed on transfer paper with a regular ink jet printer, and then heat applied to tee shirt

If you collaborate with donors & other volunteers,
plan and communicate as effectively as you can
to make *their* job easier.



INTRODUCTION TO INKSCAPE

ASSIGNMENT: SCHEDULE

Here's the deadlines for your logo and t-shirt project.



IMPORTANT DATES

You're halfway through the Inkscape course – congratulations!

There are four more days left of class. You'll need to have your T-shirt design ready and saved by Friday, February 5th. I will send your files to Walter Miska at EmbroidMe Chelmsford, and he'll print up your shirts.

FEBRUARY 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
24	25	26	27 Design Time	28	29	30
31	1 Design Time	2	3	4	5 T-Shirt Design Deadline	6
7	8	9 Last Day of Class!	10	11	12	13



Please write your name and the T-shirt size (S, M, L, XL) you would like for your shirt.

YOUR NAME	BAND NAME	T-SHIRT SIZE
Adam Young	Owl City	L

Provide 'extra-credit' exploratory exercises for the extra-precocious students.





Give the students instructions on how to install the software as early on as possible.



Try Inkscape at home!



INKSCAPE IS FREE

Inkscape is free: you can download Inkscape and share it with your friends – no problem. You can always download a copy of the latest Inkscape at inkscape.org. It's free and open source software and completely legal.

That being said, before you download and install any software on your computer, **make sure you get you get an okay from a parent!**

FOR APPLE OS X LEOPARD

1. Make sure your Mac is completely up-to-date. Apple has good instructions on how to do this here: <http://www.apple.com/softwareupdate/>
2. Download Inkscape:
<http://sourceforge.net/projects/inkscape/files/inkscape/0.47/Inkscape-0.47-1.LEOPARD%2B.dmg/download>
3. Download X11:
<http://static.macosforge.org/xquartz/downloads/X11-2.4.0.dmg>
4. Once the Inkscape installation package finishes downloading, double click on it and it will open a window with an Inkscape icon on one side, and a shortcut to the Applications folder on the other side. You need to drag the Inkscape icon across and drop in on the Applications folder. This will copy the file to the Application folder.
5. When the X11 installation package finishes downloading, double-click it to start the installation process. Follow the on-screen prompts.

FOR APPLE OS X TIGER

1. Download Inkscape:
<http://sourceforge.net/projects/inkscape/files/inkscape/0.47/Inkscape-0.47-1.TIGER.dmg/download>
2. You'll need the Install Disc 1 DVD that came with your Mac or OS X Tiger box. Scroll down the Finder

Have the students save their work to a shared drive or USB key at the end of class, and try to get a feel for them (especially as it gets closer to the project deadline) of how they're feeling on their work.



Develop a standard format for the filenames for students work.



If per-session classtime is short, provide prompts so students aren't starting from 0.



Here's some band times you can use for your logo design!



CLAIM A NAME

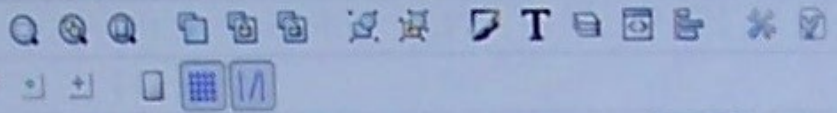
Read through the suggested band names on this sheet. If you like a name, claim it by crossing it out!

PUNK	After Riot	Zorax	Blindeye
	Peacebreak	Ransack Armor	Tank Effect
ROCK	Sparkling Saturn	Loveades	The Rambutans
	Baitfish	Sunshine Parade	Screaming Gems
	Referee	Effervescence	Amy's Promise
INDIE	The Valentine Accident	My Boots Are Red	Snowdrift
	Frank's Camry	Pale Suburban	Murgatroyd Grey
POP	Heart Galleria	Breeze	One Last Summer
	Sweetgleam	Aisling	Spark
DIVA	Candy May	Eloreena	Dragonfly
	May Jewel	Alice Allen	
METAL	Myth Lattice	Chainweigh	Pope Tears
	Mort	Courtyard	Dark Heirloom
INDUSTRIAL	Data Manifesto	Bit Complex	Torrent
	Grid ZX	Virus Eight	Binarybox

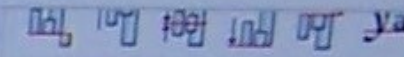
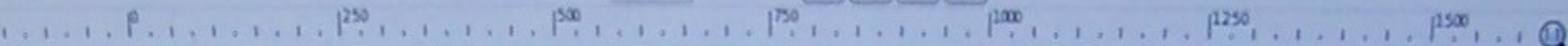
Bring a camera, and take shots of the students' work (with their permission, of course!)



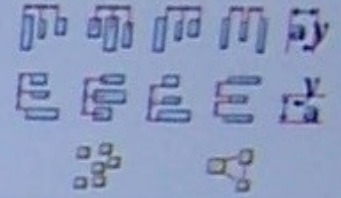




X: 395.932 Y: 125.867 W: 326.718 H: 826.310 px Affect: [Fit] [Fit] [Fit] [Fit]



Distribute



Remove overlaps

H: 0.0 V: 0.0 [Icons]

Connector network layout



Fill and Stroke (Shift+Ctrl+F)

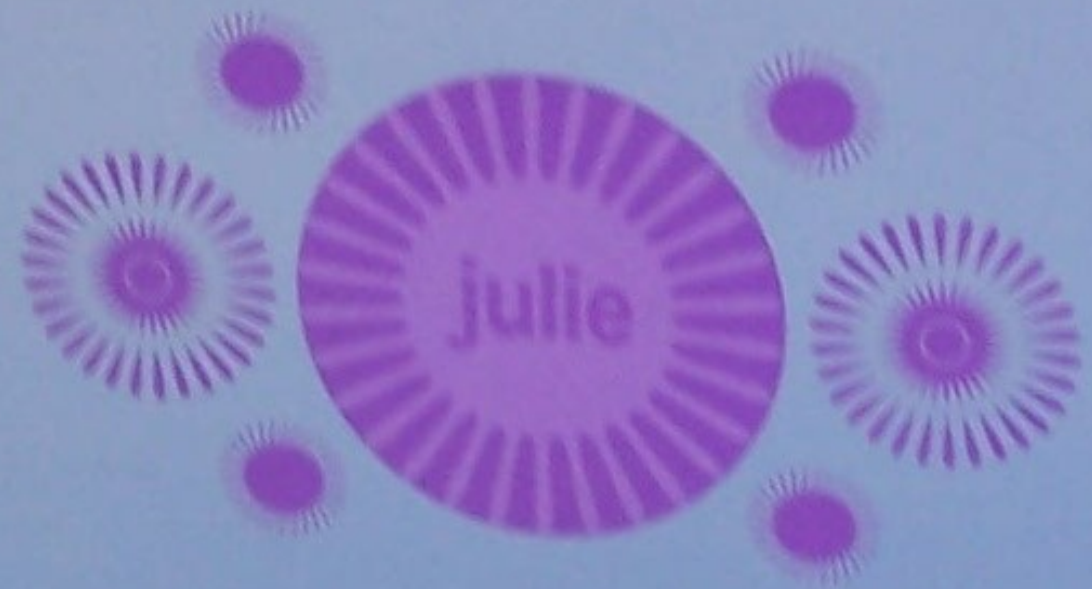
Fill Stroke paint Stroke style



No objects

Opacity, %



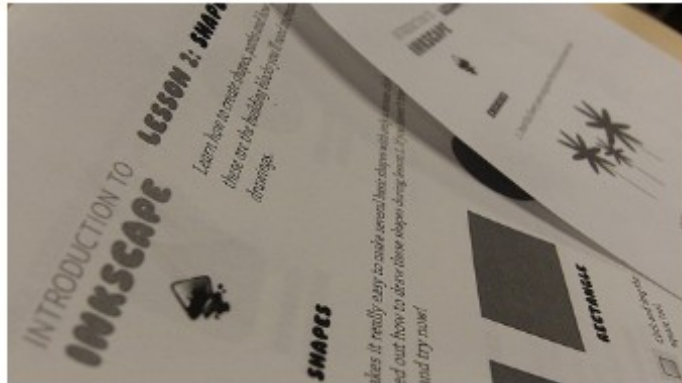


Share your experience!



Inkscape Class Day 2

Posted in [Inkscape Class](#) by mairin on January 12, 2010 [Edit This](#)



Early this morning I taught the second session of an 8-session (40 minutes per session) course on Inkscape at a Boston-area middle school. ([For more general details about the class check out my blog post on day 1.](#))

Today's Class

Today's class was split up into two major sections.

T-Shirt Technologies and Specifications

First, Walter Miska from [EmbroidMe Chelmsford](#) went over different T-Shirt printing technologies and gave the students the specifications for their T-shirts that he has so generously volunteered to produce at the end of the class. Here's a list of the T-shirt printing technologies he covered (and he showed off samples of each, I wish I thought to take photos!):

- Screen printing
- Screen printed transfer
- Sublimation
- Transfers
- Direct-to-Garment

Walter produced a great worksheet running down the details of these – he has given me the okay to publish his worksheet here (and on the [course website](#)) under a Creative Commons Attribution license. You'll find it in the files list below.

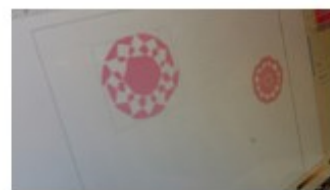
The students' designs will be printed on light ash grey t-shirts. The maximum print area is 13" wide and 15" long. Walter's going to use the relatively new direct-to-garment technology to produce the shirts. It turns out it's safest to work with PNG files so we will be exporting the students' work to 300 dpi PNG files to deliver to Walter.

I'm going to take down each students' size next class and get them to Walter. I'm also going to send him a sample design tonight created in Inkscape that he is going to do a test print of just to make sure there aren't any hiccups with SVGs created in Inkscape.

Shapes, Paths, & Pen

The theme for today's lesson was shapes, paths, and pen. We started out with basic shapes and talked about the shape-specific toolbars for each – we drew squares, rectangles, circles to look like Pac-Man, and changed

Then we dove into star & polygon-based shapes, and then played around with randomized stars and complicated rosettes. Here's one students' work – it's a rosette that's been slightly randomized for a cool organic feel:



Next we talked about the differences between shapes and paths, we converted our shapes into paths, and then played around using the path operations – union, intersection, exclusion, difference, and division. One quick exercise I had the students do was to create a bunch of circles in the shape of a cloud, then use union to make one unified cloud shape:



Finally, we did a very quick and simple intro to the pen tool. We didn't use bezier curves at all, we just did simple click-click straight-lined paths and straight unclosed paths as well. To practice basic pen usage I asked the students to create paths for the letters of their name using the pen tool:



<http://mairin.wordpress.com/category/inkscape-class/>

gh [the first session](#). We got through [the](#) minutes of the lesson,

one of the students had already gotten several pages into the lesson packet and even completed the first exercise on [the exercise sheet](#)!



Introducing Open Source to A Middle School

Posted 4 May 2010 by [Máirin Duffy](#) (Red Hat)  Average:  (6 votes)



There are so many compelling reasons for children to use open source. If they develop skills and a body of work using open source software, it can follow them through high school, college, and even into the professional world. It won't cost them or their school any license fees. Using the open formats promoted by free & open source software, their writings and projects will stay accessible, avoiding

<http://opensource.com/education/10/4/introducing-open-source-middle-school>

developing new features. (Gunnar Henekson started [a great discussion on this last point](#), contrasting the OLPC vs. the iPad as educational platforms.) The very nature of the open source way can serve as a great collaborative model for them to follow



Máirin is a senior interaction designer at Red Hat. She is passionate about software freedom and free & open source tools, particularly in the creative domain: her favorite application is Inkscape (<http://inkscape.org>).

[» More about me](#)

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opensource.com on [twitter](#) + [identi.ca](#)

"FF @johnmscott @avilarenata @klang67 @larusalka @sfsutcliffe - thx for helping us out this week"

6 Aug 2010

MORE INFORMATION

Talking about Inkscape, in Leeds UK, from Boston USA, via Empathy.

Posted in AudioVideo, Inkscape, Inkscape Class, Open Source Rocking by mairin on July 14, 2010 [Edit This](#)



Last Thursday, at the invitation of

Rob Martin from the [North East Leeds City Learning Centre](#) in Leeds UK, I gave a talk about [the Inkscape class](#) I worked on as part of a [Red Hat](#) outreach program earlier this year. The occasion was the [National City Learning Centres Conference 2010](#), which very excitingly had an open source track. The National City Learning Centers are organizations that help the area schools around them make use of technological innovations: providing training programs and workshops and supporting and developing solutions for technology use in the schools. Our [Inkscape class](#) seemed quite appropriate a topic! Here's the thing, though: The conference took place in **Leeds, UK**. I gave my talk from **Boston, Massachusetts**. Take that, Atlantic Ocean! After numerous failed yet valiant attempts with Skype (no video, only audio and screensharing worked), Rob and his colleague Paul Bellwood gave [empathy](#) a shot – and it worked!



<http://mairin.wordpress.com/2010/07/14/>

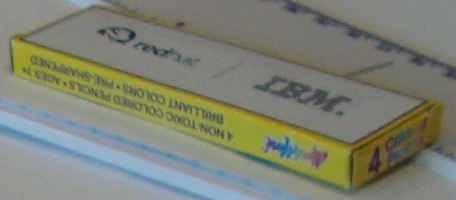
Now, let me give you some caveats

Just a little bit on two other projects
You might be interested in...



<http://www-03.ibm.com/press/us/en/pressrelease/29868.wss>





A K12 Educator's Guide to Open Source Software

WHERE TO GO FROM HERE

Now that your students have learned the basics about bitmap and vector computer graphics, why not offer them the opportunity to create their own as part of your curriculum?



There are two free & open source tools, GIMP and Inkscape (more details about these are below & right) that educators download, install, and use in their K12 classrooms today.

For example, Red Hat recently sponsored an 8-session technology class at Blanchard Middle School, a Boston-area school. The students created rock band logo graphics in Inkscape, learning about vector computer graphics along the way. A local-area print shop, EmbroidMe Chelmsford, donated professionally-printed T-shirts of the students' designs.

Why not try a similar project in your school? Free-to-use printable lesson plans, activities, and the instructor's

TEACHERS SPEAK OUT ON OPEN SOURCE

"I had these great ideas for these great projects to do with the kids... but there is no way we could afford to bring Photoshop in..."

"When kids have a computer and they can't afford Microsoft Office, I can hand them an OpenOffice.org CD. Here's all the software you need and it's free... A lot of the students are now using OpenOffice.org at home as well as in school."

- Anthony Baldwin, K-12 educator

"Our support costs are the same. We even save a little money with open source because we're not paying for support contracts; we're using the community resources that we have... if we can get better software for free, it would be very irresponsible for us not to do that."

- Ben Mabbott, K-12 educator

"...slowly but surely we've been replacing all proprietary stuff because the open source stuff just simply works better."

- Eric Harrison, K-12 educator

Quotes gathered in 2004-2005 in the Open Options survey run by the federally-funded Northwest Regional Educational Laboratory. For more information, visit <http://www.netc.org/openoptions>.

FREE & OPEN SOURCE GRAPHICS APPLICATIONS

Inkscape

Vector graphics creation software.



- Download at www.inkscape.org
- Works on Windows(TM) and Apple's OS X(TM), as well as on Linux (including Fedora.)

GIMP

Bitmap graphics creation software.



- Download at www.gimp.org
- Works on Windows(TM) and Apple's OS X(TM), as well as on Linux (including Fedora.)

<http://mairin.wordpress.com/2010/03/31/a-k12-educators-guide-to-open-source-software/>

Girl Scouts of Eastern Massachusetts FaB Factor program

http://groups.fsf.org/wiki/Women%27s_Caucus/Girl_Scouts_Free_Software_Outreach



Questions?

