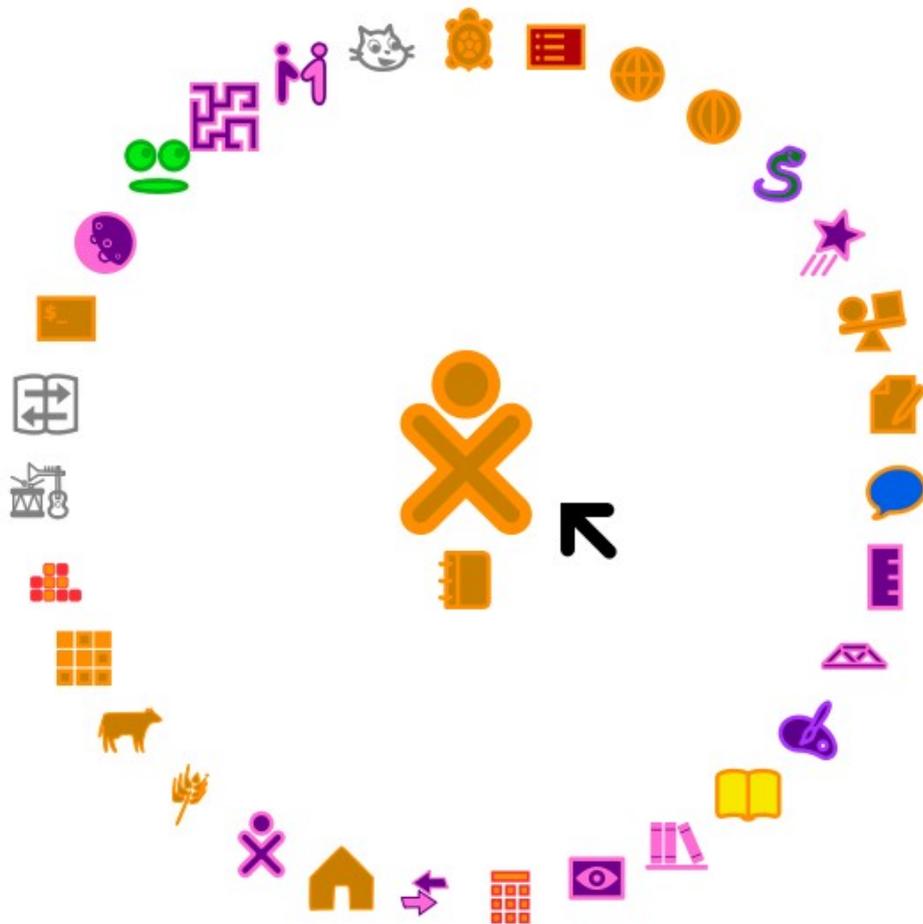


sugarlabs

**A member project of the Software  
Freedom Conservancy**

- 1. What is Sugar?**
- 2. Why should you care?**
- 3. What can *you* do?**

**Sugar is the core component of a worldwide effort to provide every child with equal opportunity for a quality education.**

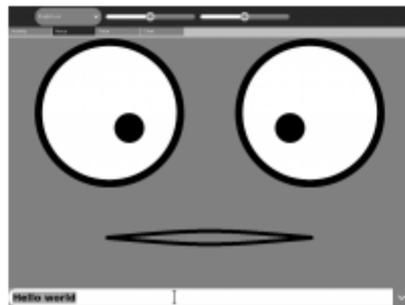


- ### Categories
- Fructose
  - GCompris
  - Search & Discovery
  - Documents
  - News
  - Chat, mail and talk
  - Media creation
  - Programming
  - Maths & Science
  - Maps & Geography
  - Media players
  - Games
  - Teacher tools

- I am looking for a:**
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Advanced ▾

### We Recommend



## Speak

by [Activity Team](#)

Speak is a talking face for the Sugar. Anything you type will be spoken aloud using the speech synthesizer, espeak. You can "speech" chat with other users and ask any question Speak robot.

★★★★★ [1 review](#)

113 weekly downloads

Updated April 29, 2009

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by [morgs](#), [Activity Team](#)



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Documents

Physics

# 100s of Learning Activities

**Sharing: Sugar users dialog with each other, support each other, critique each other, and share ideas.**





sugar  
learning  
platform

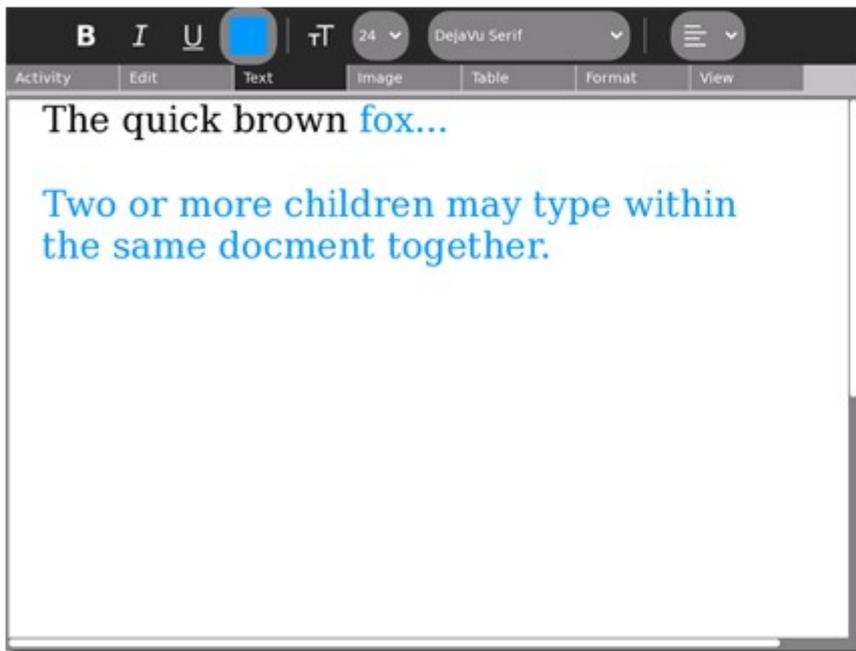
acer

a Sticl  
erry

sugar  
learning  
platform

sugar

LEARNERS



**Reflecting: A “Journal” records each learner's activity. It is a place for reflection and assessment of progress.**



Anything



Anytime



-   **bookmarklets** 7 minutes ago 
-   **Turtle Art Activity at FOSSED**  8 hours, 27 minutes ago 
-   **Log Activity** 8 hours, 28 minutes ago 
-   **Gmail Inbox Activity** 22 hours, 19 minutes a... 
-   **hot-cold** 3 days, 8 hours ago 
-   **Browse Activity** 3 days, 21 hours ago 
-   **Terminal Activity**  4 days, 5 hours ago 
-   **Physics Activity motor** 4 days, 5 hours ago 
-   **File Fasc\_FIGURAS GEOMETRICAS.pdf from <http://www.perueduca.edu.pe/olpc/archivos/Fas...>** 4 days, 5 hours ago 
-   **gmail** 4 days, 5 hours ago 
-   **File physics-2.xo from <http://activities.sugarlabs.org/en-US/sugar/downloads/file/26195/xpi/...>** 4 days, 5 hours ago 
-   **File Fich\_TORTUGA GEOMETRICA.pdf from [http://www.perueduca.edu.pe/olpc/archivos/Fich\\_...](http://www.perueduca.edu.pe/olpc/archivos/Fich_...)** 4 days, 5 hours ago 
-   **taportfolio.html** 4 days, 5 hours ago 
-   **logosession.lg** 4 days, 6 hours ago 





# Turtle Art Activity at FOSSED

8 hours, 30 minutes ago



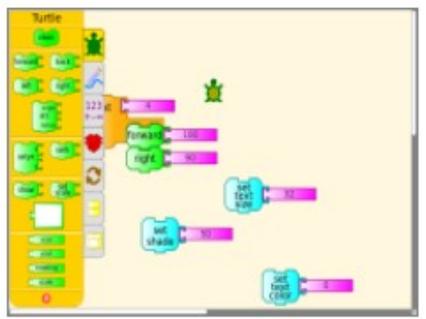
Description:

first lesson in Turtle Art

Tags:

Tutorial  
FOSSED

Participants:



**Discovering: Sugar  
accommodates a wide variety of  
users with different levels of skill  
in terms of reading and language  
and different levels of experience  
with computing.**



save as Logo

Save/Load

### Turtle

clean



123  
+--=



forward back

left right

angle  
arc  
radius

setyx seth

show set scale

xcor

ycor

heading

scale

clean

set pensize 25

store in box1 0

repeat 1300

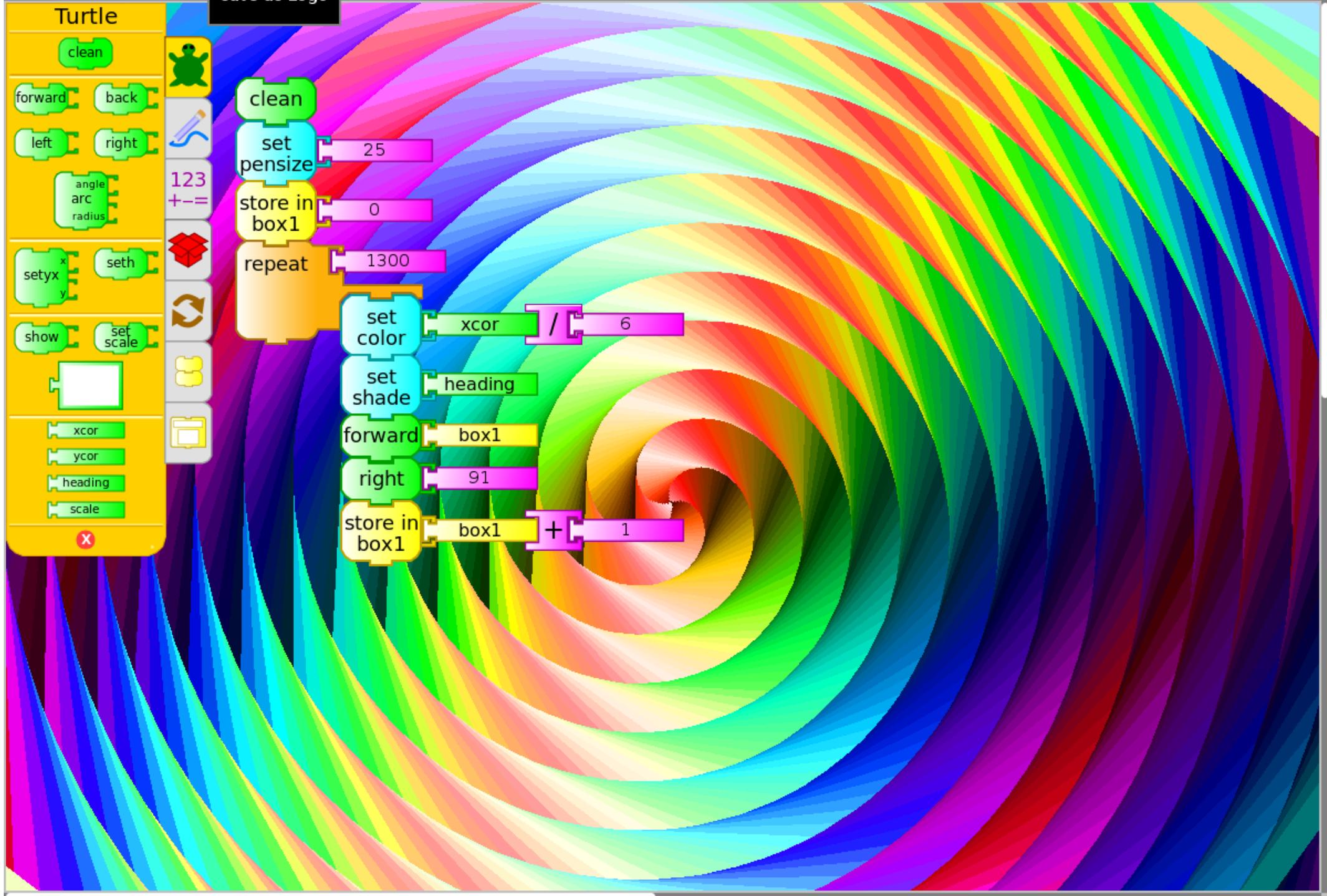
set color xcor / 6

set shade heading

forward box1

right 91

store in box1 box1 + 1





View source: 'Turtle Art Ac Turtle Art Activity at FOSSED



- ▶ locale
- taturtle.py
- tawindow.py
- tawindow.py~
- tasetup.py
- taproject.py
- MANIFEST
- NEWS
- ▶ svg
- turtleart.desktop
- ▶ activity
- palettes.py
- COPYING
- ▶ dist
- palettes.py~
- talogo.py
- tamyblock.py
- TurtleArtActivity.py
- .gitignore
- ▶ images
- turtleart.py
- ▶ .git
- ▶ po
- taexportlogo.py
- taexporthtml.py
- setup.py

```
1 #Copyright (c) 2007, Playful Invention Company
2 #Copyright (c) 2008-9, Walter Bender
3
4 #Permission is hereby granted, free of charge, to any person obtaining a copy
5 #of this software and associated documentation files (the "Software"), to deal
6 #in the Software without restriction, including without limitation the rights
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8 #copies of the Software, and to permit persons to whom the Software is
9 #furnished to do so, subject to the following conditions:
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11 #The above copyright notice and this permission notice shall be included in
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14 #THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
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16 #FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
17 #AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
18 #LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
19 #OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
20 #THE SOFTWARE.
21
22 import tawindow
23 import talogo
24
25 import pygtk
26 pygtk.require('2.0')
27 import gtk
28 import gobject
29
30 import logging
31 _logger = logging.getLogger('turtleart-activity')
32
33 import sugar
34 from sugar.activity import activity
35 from sugar.graphics.toolbarbutton import ToolButton
36 from sugar.graphics.menuitem import MenuItem
37 from sugar.datastore import datastore
38
39 import telepathy
40 from dbus.service import method, signal
41 from dbus.gobject_service import ExportedGObject
42 from sugar.presence import presenceservice
43 from sugar.presence.tubeconn import TubeConnection
```



# Impact

Sugar is a critical-thinking tool in the context of open-ended exploration and discovery, going beyond the use of the computer as a tool of instruction.

# Try Sugar



6/28/09

NECC Unplugged

Walter Bender

**Join our community**

**sugar**labs

<http://sugarlabs.org>

# For more information

- Caroline Meeks today at 1:30 re SoaS
- Caryl Bigenho tomorrow at 11 re OLPC and the Contributors program

**walter@sugarlabs.org**