Flooding the Desktop with Learning tools

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How much value can we add by connecting the dots?
Who am I?

• (fmr.) One Laptop Per Child.
• (fmr.) Sugar desktop.
• (fmr.) Endless.
• Member of Sugar Labs and the GNOME Foundation.
The dots
What's Sugar?

- Desktop for Linux.
- Hundreds of learning tools.
- Different paradigms.
- Released on May 2006.
What's Flatpak?

For users:
• A better way to manage apps.
• On every distribution.
• More secure.

For developers:
• A better way to package apps.
• For every distribution.
• Easier.

flatpak.org
What's Flathub?

For users:
• A store for apps.

For developers:
• A platform.

For both:
• A community.
Connecting
What's the premise?

• Hundreds of learning tools.

• Wider audience.
What's the approach?

- Wrapper application.
- Replacement widgets.
- Meta-data generation tools.

github.com/tchx84/sugarapp
Value
Phase one

- Initial experiments.
- Linux Apps Summit.
- First results.
Abacus
Learn the basics of computation.

flathub.org/apps/details/org.sugarlabs.AbacusActivity
Music Keyboard
Play your next master piece.

flathub.org/apps/details/org.sugarlabs.MusicKeyboard
Phase two

- Tutorials.
- Google Code-In.
- Upstream.

Google Code-in
Celebrating 10 years
sadly, the last edition...
Chart

Make your first steps into data visualizations.

flathub.org/apps/details/org.sugarlabs.Chart
Color Deducto

Play and learn about logic induction.

flathub.org/apps/details/org.sugarlabs.ColorDeducto
Put your pattern matching skills to test.

flathub.org/apps/details/org.sugarlabs.Dimensions
Finance
Learn by managing your home finances.

flathub.org/apps/details/org.sugarlabs.Finance
FotoToon
Create the next biggest meme.

flathub.org/apps/details/org.sugarlabs.FotoToon
FractionBounce
Learn fractions while kicking a football.

flathub.org/apps/details/org.sugarlabs.FractionBounce
Implode
Solve complex tetris-like puzzles.

flathub.org/apps/details/org.sugarlabs.ImplodeActivity
Maze

Put your problem solving skills to test.

flathub.org/apps/details/org.sugarlabs.Maze
Measure
See sound in a completely new way.

flathub.org/apps/details/org.sugarlabs.Measure
Memorize
Put your memory to test.
Physics
Build the craziest structures or enjoy watching them fall.

flathub.org/apps/details/org.sugarlabs.Physics
Pippy

Talk to your computer using Python.
very much pleased.

Chyavana made offerings of Soma to the Asvini Kumáras. This offended Indra. He held up the Vajra to kill Chyavana, but the son of Bhrigu paralysed the hands of Indra. From that time the Devas consented to give a share in Soma to the Asvini Kumáras.

SARYÁTI.

Sukanyá, Uttanavarni, Ánarta, Dhúri Sena
m. Chyavana

Revata
(He built a town called Kusasthali in the midst of the sea and from that town ruled Anarta and other lands.)

Kakudmin

Revati
99 other Sons.

Kakudmin took his daughter Revati with him and went to Brahmá loka to

flathub.org/apps/details/org.sugarlabs.ReadETexts
Sliderule

Learn arithmetic in a different way.

flathub.org/apps/details/org.sugarlabs.Sliderule
Speak
Chat with Alice, a robot with a particular sense of humor.

flathub.org/apps/details/org.sugarlabs.Speak
Story
Have fun writing the most silly stories.

Write your story here.

flathub.org/apps/details/org.sugarlabs.StoryActivity
Turtle in a Pond

Teach this turtle to be smarter by writing code.

flathub.org/apps/details/org.sugarlabs.TurtlePondActivity
Word
Learn how to spell "learn" in many languages.
Phase three

- Refinement.
- Updates.
Moving forward
Next phase

- Update tutorial.
- Port more art applications.
Conclusions

- 20 new unique learning tools.
- So far, over 6k downloads.
- Valuable feedback.
- Sugar legacy preserved.
Thank you!

Questions?