



Today

Get info

Ask questions

Registration forms

What Ages?

All ages!

Pre-Teen to Young Adult

Parents too!

Volunteers Needed!

Parents or others

Women and men

Bring

SNACK (if you wish)
LAPTOP (with wifi)
PARENT (u13 accompanied)



3 Streams – 1 Room

Scratch Beginners

Scratch Advanced

Python Beginners

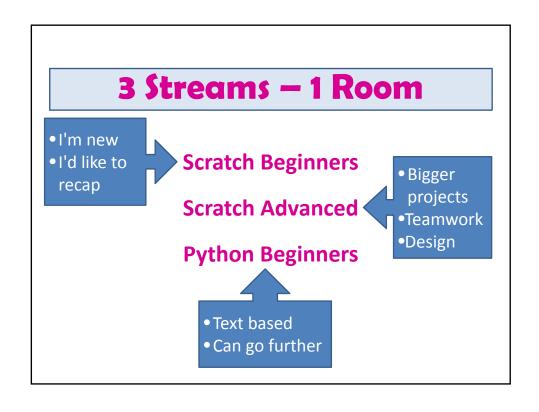
Others? Small team of older ninjas to build a website for CoderDojo Athenry?

3 Streams - 1 Room

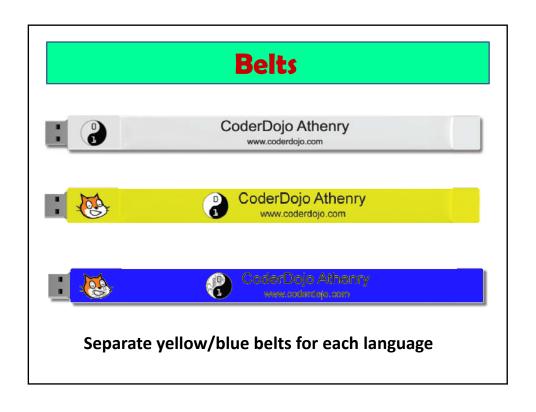
Collaborate

Switch Around

Help Each Other







Belts

White: Commitment & Basic Skill



CoderDojo Athenry

Attend at least 5 sessions

+ Know how to get started with Scratch

Sign in each week!

Belts

Yellow Scratch Belt: Competent Scratch Coder





CoderDojo Athenry
www.coderdojo.com

Earn a White Belt

- + Write Scratch Programs
- + Understand key features (Loops, decisions, variables, sprite control, animation, sound)

Blue Scratch Belt: Advanced Scratch Coder CoderDojo Athenry Towar coderdojo com Earn a Yellow Belt + Complex Project + Teamwork + Design + Social Good



More Scratch:

Graphics Using Pen and Stamp

```
repeat 200

stamp

change size by 0.1

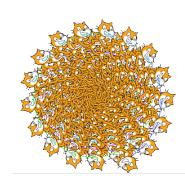
move iSize steps

turn → iTurn degrees

change iSize v by 0.2

change iTurn v by -0.1

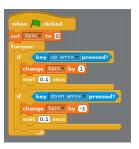
wait 0.1 secs
```

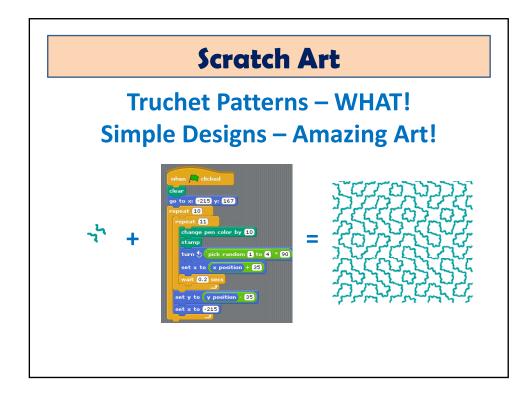


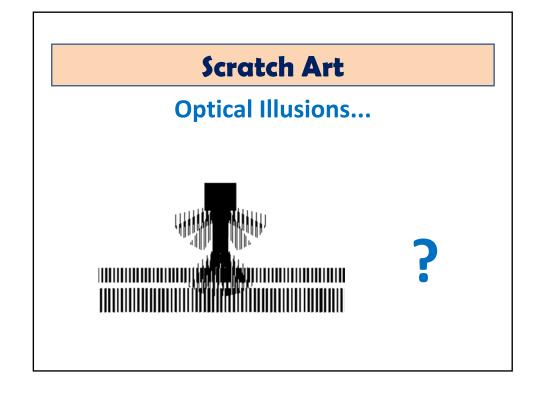
More Scratch Animation

Special Effects
Uses a little maths:)
Spinning Wagon Wheel



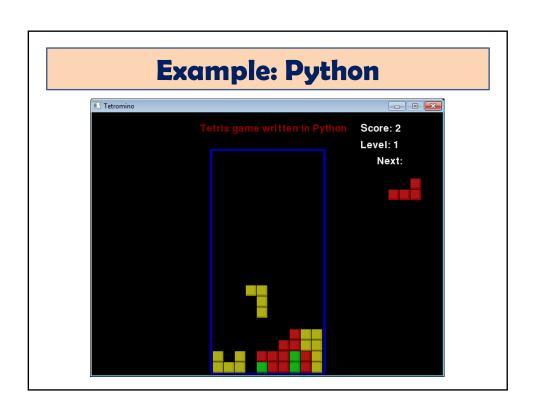






Scratch Skills

Variables
Pen Stamping and Colours
Slider Controls
Loops
Simple Maths



What is Python?

- General-purpose high-level language
- Many real world applications
- Emphasizes code readability
- Syntax is clear and expressive
- Comprehensive standard library

What is Python Used For?

- Processing text, numbers, images, scientific data
- Used in Google: Search Engine, GMail, YouTube
- NASA
- New York Stock Exchange

Weekly Notes & Updates

Make sure you are on the Athenry Parents/Kids Google Group:

See http://zen.coderdojo.com/dojo/53

Or email: coderdojoathenry@gmail.com

Twitter: @coderdojoathenr