

CoderDojo Athenry

"Above all, be cool"



Every week:

- ✓ Sign in at the door

If you are new:

- ✓ Fill in Registration Form
- ✓ Ask a Mentor how to get started

Make sure you are on the Athenry
Parents/Kids Google Group: email
coderdojoathenry@gmail.com

CoderDojo Athenry

Scratch Beginners



Code and notes by Michael Madden, 2012

Today's Ninja Challenge: Prepare to Earn Your First Belt!



Belts!



Two to Earn: White or Yellow

White: Commitment & Basic Skill



Attend at least 5 sessions

+ Know how to get started with Scratch

Sign in each week!

Two to Earn: White or Yellow

Yellow Scratch Belt: Competent Scratch Coder



1. Qualify for a White Belt

2. Write and explain a Scratch Program with:

Forever/Repeat

If blocks

Variables

Animation/Sound

Sprite controlled by mouse or keyboard

Must be all your own work!

Procedure for Yellow Belt

A couple of mentors will have a chat with you

Ask you to show us your code (new or old)

See if you know **most** of these Scratch ideas:

Loop Blocks (Forever/Repeat)

If Blocks

Variables

Animation, Sound & Changing Backgrounds

Make a Sprite Move

Make a Sprite Say Something

Use Broadcasts

Sample Questions for Yellow Belt

1. Which block you would use to make the sprite speak?
2. How would you change the way your sprite looks?
3. How would you make a sprite move?
4. Can you show where you have used a loop block?
5. Can you show where you have used animation or sound?
6. Can you show us where you have used an IF block?
7. What blocks would you use to check if your sprite hit something?
8. How do you share a program online?
9. Show where you have used a variable
or how would you create a new variable?
10. Show where you have used a broadcast
or how would you create a new broadcast?

Yellow Scratch Belt: Program Ideas

Squash Game

- Control a bat to hit a ball
- Ball bounces off wall on the other side
- Game over when you miss 5 times

ABC Game

- Sprites with A/B/C fall from random start point
- Press A/B/C key to stop them
- Keep score of how many you stop

Earning a Belt

- Learn skills each week
- Put skills into practice
- Get recognition: belts awarded by mentors

Applying for a Belt

- Decide what belt level you want to go for
- Attend the full session on the Belt Awards Day
- Be prepared

Fairness

- Nobody has a right to a belt: it must be earned
- We will help you get there
 - The whole Dojo - mentors, parents, all members
 - We will give you feedback for next time if you did not make it
- We will be clear about what is required to get to the next belt level

Belts & Levels

We are following agreed CoderDojo standards

White belts for commitment & basic skills

Yellow belts for competence in a specific coding discipline

Higher belts for higher level skills in a specific discipline

You have to earn a lower belt before moving to a higher one

When you start a new coding discipline, have to go back to start in applying for a belt

What if I Don't Get a Belt?

If you can't participate, or it doesn't go well for you, **don't worry!**

We will have another belt awarding session in the coming months

Ask Your Questions!

