



CoderDojo

Fall 2017
Overview



Welcome to Coder Dojo NOVA!

Today's Agenda:

1:00-1:15 Overview for this Season

1:15-2:00 Split into Groups

- Novice Scratch (New to the Dojo or need some extra guidance, all ages)
- Everybody else!

2:00-2:05 Short Break

2:05-3:00 Back at it!

While you wait for us to get started

- Try to log in to the NOVA Guest Wifi
- If your child does not have a Scratch login go to:
 - [Scratch.mit.edu](https://scratch.mit.edu)
 - Create login (will need an email address)
 - Create an empty project and share it (will require permission from email address of record)
- Are you registered? On the mailing list? Do both on CoderDojoNova.co

What is Coder Dojo?



- Founded in 2011 by James Whelton (then 18) and Bill Liao in Ireland (read all about it at CoderDojo.com)
- Thomas Debass (our founder) learned about it while in Ireland and wondered why isn't there something like this for my daughters?
- So he started a Dojo! Do you know about our website? CoderDojoNova.co
- Who am I -> Steve Trickey, Lead Mentor
- Are you on the mailing list?
- What makes Coder Dojo special? **
 - Learning model
 - Peer learning
 - Youth mentoring
 - Self-lead discovery



What did we do last season?

The coders new to the Dojo got their feet wet with the Scratch Programming language



Whenever they were ready, coders moved to more advanced topics. (Mostly Scratch but lots of options)

Novice

- New to Scratch
- Need more guidance
- Any age

Everybody Else

- Any age
- Pursue your next Belt
- Work on independent project (group or individual)

What is the plan for this season?

For those new to the Dojo get your feet wet with the Scratch Programming language



When you are ready to move to more advanced topics you can keep going in Scratch or investigate other tech*.

Novice

- New to Scratch
- Need more guidance
- Any age

Everybody Else

- Any age
- Work on Cool Code Awards project (group or individual)
- Pursue your next Belt

Cool Code Awards Event!!!

- When? Saturday 12/9
- Where? The Mix @ George Mason University
- What?
 - Coding competition
 - Competition website - CoolCode.co
 - Timeline
 - Registration open: Now to 11/6
 - 11/6-11/17 Your sponsor certifies your project is ready for the competition (>90% done!)
 - 11/20 Finalists announced
 - 12/9 Final round of judging at Cool Code Awards event. Winners chosen from in 3 age groups, Elementary School, Middle School, High School.

Encourage Progress with a Belt System

- We want to encourage you to keep learning
- We want to recognize the achievements you accomplish
- Investigating the Open Badge System

We will follow the general guidance of the Coder Dojo organization adding our own local color.



Logistics

Information your child will need to have at their fingertips:

- To access NOVA Guest WiFi
 - an email address
- To access the Scratch Website
 - a username and password you set up
 - an email address (to give permission to share content)

Occasionally the Wifi just doesn't work. We then rely on the offline version of Scratch. Do you have it installed on your child's laptop? If not talk to a mentor!

Did everyone receive the emails to the CoderDojoNovaNinjas email list?

Novice Coders:

- Create Scratch Login - scratch.mit.edu
 - Click “Join Scratch”
 - Set Username and Password
 - Set age and demographic data
 - Set parent email
 - Confirm that child can share via email link
- Open your first project
- Share this project
- Work through the “Getting Started with Scratch” Tutorial
- Try the next tutorial “Animate Your Name”

Everybody Else

First help the new guys to get started! This is called mentoring.

This session I want you to explore, learn and be creative. Ideally this will mean working toward a project for the Cool Code Awards.

How are you going to do that?

Figure out what you want to learn

- Do some research
- What sounds fun to work on?
 - Music?
 - Graphics?
 - Games?
 - Hardware?
- Do you like Scratch? Want to learn more?
- Do you want to learn another language? Why? Which one?
- Don't try to do this by yourself
- Find people who are into the same thing you are
- Work together!!!!!!!!!!
- Do you need something? Ask for it!