# 101: HTML: Teacher Notes

## Introduction & Basics

**Ivan Malone**
**For:** Cornerstone International Community College Vancouver

# Class Structure

**Class Time: Four Hours**

**Teacher (20%)**
- In Person - Start of Class
– Followed by Q&A
– Followed by 15 min Break

**Student (80%)**
- Practice
- Explore
- Understand
- Ask Questions
- Do Assignments

This slideshow is to be used in class meeting with your Instructor.

*A recording is also made available.*

- **Video Content**
  - <Video Lecture>

# Class Content

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*Additional Resources*

- **Online Material**
  - <Google Classrooms>
    Provides Class Structure,
    Assignments, Grading etc

  - <Github Classrooms>
    Provides Supporting Material
    In the topic dedicated repository

  - CICCC.xyz
    Provides additional Support

# Labs & Assignment

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– Followed by 15 min Break

**Student (80%)**
- Practice
- Explore
- Understand
- Ask Questions
- Do Assignments

- **Assignment**
  - Build Resume:
    Over the next few weeks we will build many things but we will keep coming back to *us as a person*.

    We will begin the foundation for this larger project.

  - Optional Extra Points:
    Everyone moves at a different pace and while learning HTML we will also begin to teach side skills that make later content easier to manage.
    Github Starter Project
    Github Classrooms

# Before we begin

## A Note from the Teacher

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# Before we Begin

**A Note by the Teacher**

Every year I have students who underestimate the power of simple HTML - and others who are overwhelmed by it.

- Web Development is a complex topic and everyone has different levels of knowledge and different interests and move at different speeds in different directions.

- *Some think they know* what they should focus on; others - no idea where to begin.

1. We will take a step back and build our knowledge one piece at a time in a way that is very like how the internet actually developed and at a pace that is realistic.

2. While we do this, we will approach problems that were faced at that point in time and we will solve them by using the tools that were developed
(ie: css, javascript and more)

- and in doing so, you will begin to understand better how everything is 'connected'.

- while doing all this, we will work as a team.

# Reasons to Learn HTML

Some reasons I hear every year for not wanting to focus on HTML to much

- **I don't need to know HTML** because I will be a backend developer.
- **I won't use HTML because** I will be a Digital Marketing Expert
- **I don't need HTML because** I will work in Hospitality & Customer Service

I will show you by the end of this day that HTML applies to all of those areas and more.

Every year, we also have some students who;

- Have never had experience with HTML or programming
  They need a little help

- Have some experience
  And often have bad habits, good at some things, not so good at others

- Have loads of experience
  And want to move on to other things

# Bottom up Approach, not Top Down

No matter your experience, we are starting from the Bottom Up.

- If you have load of experience
  - **help those who do not.**

- If you have some experience
  - talk with others in your class - **share it**.

- If you have no experience
  - **seek out help** from your peers

There is always something to learn with the opportunities available to us;

- Helping Others Teaches you to be a Leader, it gains you reputation, respect.

- No Business, No App, Nothing worth building is done in isolation.

- Build Confidence, Experience, learn from others, learn what doesn't work, what does. Be comfortable with failure and pick yourself back up.

# The Summary Sections

**Summary Section**

Most days will start out with a Summary Section such as for day one (given to the right)

- **What is HTML?**
  A quick explanation as to exactly what it is

- **What is NOT HTML**
  A quick answer and fact.

- **Very Brief HTML History**
  Context is important.

- **Basic Structure of HTML documents**
  A quick review for what's ahead

- **HTML tags and attributes**
  A deep dive into the most important parts fist

- **HTML editors**
  We'll start simple with basic editing.

- **HTML vs. XHTML**
  And other forms of HTML

# The Introduction Sections

**Introduction Section**

Each day will also have a Introduction to each topic, which, over the next week you will cover building on what came before

- **Less Brief history of HTML**
  As we go on over time, we will introduce more history as it's necessary, interesting or relevant.

- **Role of HTML in web development**
  Where does HTML fit into everything?

- **HTML Versions (html vs html5)**
  Because, it can get confusing out there…

- **HTML5 and its features**
  We will learn about different parts of html

- **HTML resources and references**
  Where to get help when you need it

# Practice, Makes Perfect

**Practical Sections that include;**

**We will be considering the perspectives of**

- **Us:** What HTML can do for us
- **Users:** What HTML will do for them

- **Apps/Services:** How they use HTML
- **Robots/Crawlers:** What they do with it

- **SEO**: Search Engine Optimization

**To achieve it will be be**

- **Using the most Common HTML elements**
  We will introduce the most useful common components that apply across the wide use cases but wont focus on them to long.

- **Putting them into Blocks and Inline elements**
  We'll quickly move on how to structure and arranging things, getting things looking and behaving like we want.

- **Learning about Semantic HTML elements**
  How to control what is happening, understanding how to deal with various things a 'whole'

- **Apply all that and Creating nested elements and hierarchies and other things**
  Which is the backbone of creating actual useful things.

# Assignments and Quizes

**Assignments**

- Will be tracked on Google Drive.

These will revolve around you practically applying your knowledge from the daily tutorials to achieve success.

- **Assignment**
  - **Build Professional Resume**
    We will use this in a few areas
- **Quiz**
  - **Content Review**
    To ensure we are getting what we need from this lesson.