



RubyGuides

Ruby Learning Guide

Hey,

thanks for requesting this guide.

I made it to help you decide what to focus your learning efforts on.

How to use this guide:

Start with level 0, and review every item, then ask yourself...

"Do I know everything there is to know about this topic?"

If the answer is no, then your next step is to go & learn about that!

That's how you develop **mastery**.

By developing mastery you'll gain confidence in yourself & your skills.

And you'll stand out in the market place!

Here's a mindmap version:

<https://i2.wp.com/www.rubyguides.com/wp-content/uploads/2016/11/ruby-learning.png>

Level 0 (Fundamentals)

- Strings (methods, interpolation)
- [Symbols](#)
- Arrays (including arrays of arrays, arrays of hashes, etc.)
- Hash tables
- Conditionals (if, unless, ternary, truthy vs falsy values)
- Loops

Level 1

- [Objects](#)
- Core Ruby Methods
- Inheritance
- Instance variables & accessors
- Scope
- Blocks
- Enumerable methods (each, map, inject, etc.)
- Working with files & folders

Level 2

- [Method arguments](#)(defaults, *args, hash, keyword arguments, etc.)
- How to use pry
- Debugging
- Exceptions
- Constants
- [nil](#)
- The differences between Procs & lambdas
- Sinatra
- TDD & Rspec
- [Refactoring, style & code quality](#)
- Using gems
- Modules
- Ranges

Level 3

- Regular Expressions
- How to use a database from Ruby
- JSON & using APIs
- [Method delegation](#)
- How to compare two objects
- Set class
- Hash tables with default values
- Performance optimization

Level 4

- Singleton class & method lookup
- Ruby object model
- Metaprogramming
- Building a DSL
- [Building a gem](#)
- The HTTP protocol (response codes, headers)
- TCP/IP & Network programming
- Generating random numbers
- How to write command-line apps
- [Time complexity](#)
- Classic data structures & algorithms

Recommended Ruby Books

[Ruby Deep Dive](#) (Yes, I wrote this myself)

If you don't feel ready for that... & you need a tutorial for COMPLETE beginners, then [check this out](#).

Your Ruby Mentor,

Jesus Castello