

CHARTING YOUR OWN COURSE

through the

CLOUDNATIVE

LANDSCAPE

FEATURING MATTY STRATTON & WHITNEY LEE

Grid of logos for various CNCF projects, categorized by status (e.g., CNCF Graduated, CNCF Incubating).

Scheduling & Orchestration

Grid of logos for scheduling and orchestration tools, including Kubernetes, Crossplane, and Volcano.

Coordination & Service Discovery

Grid of logos for coordination and service discovery tools, including CoreDNS and etcd.

Remote Procedure Call

Grid of logos for Remote Procedure Call (RPC) frameworks, including gRPC.

Service Proxy

Grid of logos for service proxy tools, including Envoy and Contour.

API Gateway

Grid of logos for API gateway tools, including Kong and Traefik.

Service Mesh

Grid of logos for service mesh tools, including Istio and Linkerd.

Cloud Native Storage

Grid of logos for cloud native storage solutions, including Rook and Longhorn.

Container Runtime

Grid of logos for container runtime technologies, including cri-o and containerd.

Cloud Native Network

Grid of logos for cloud native network solutions, including Cilium and Calico.

Automation & Configuration

Grid of logos for automation and configuration tools, including Ansible and Puppet.

Container Registry

Grid of logos for container registry solutions, including Harbor and Docker Registry.

Security & Compliance

Grid of logos for security and compliance tools, including Falco and In-toto.

Key Management

Grid of logos for key management solutions, including Spiffe and SPIRE.

Kubernetes Certified Service Provider

Grid of logos for Kubernetes Certified Service Providers.

Kubernetes Training Partner

Grid of logos for Kubernetes Training Partners.

Grid of logos for various cloud native technologies and services.

Certified Kubernetes - Hosted

Grid of logos for Certified Kubernetes Hosted providers.

Certified Kubernetes - Installer

Grid of logos for Certified Kubernetes Installer providers.

PaaS/Container Service

Grid of logos for PaaS/Container Service providers.

Observability and Analysis

Monitoring

Grid of logos for monitoring tools, including Prometheus and Thanos.

Logging

Grid of logos for logging tools, including Fluentd and ELK.

Tracing

Grid of logos for tracing tools, including Jaeger and Zipkin.

Chaos Engineering

Grid of logos for chaos engineering tools, including Chaos Mesh and Litmus.

Grid of logos for various cloud native technologies and services.

Members

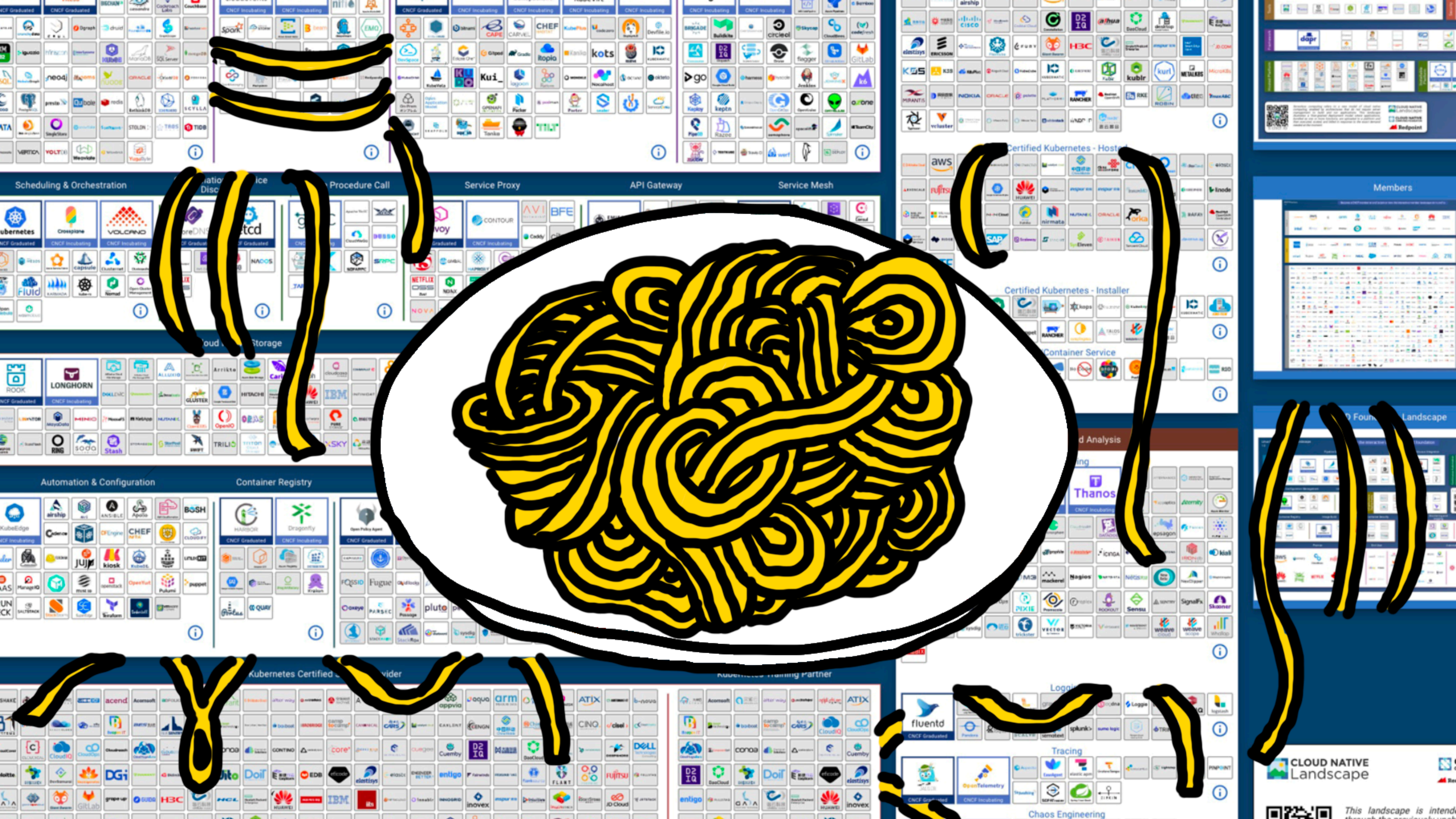
Grid of logos for various cloud native technologies and services.

CD Foundation Landscape

Grid of logos for various cloud native technologies and services.

CLOUD NATIVE Landscape

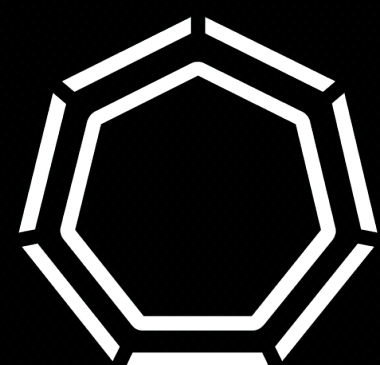
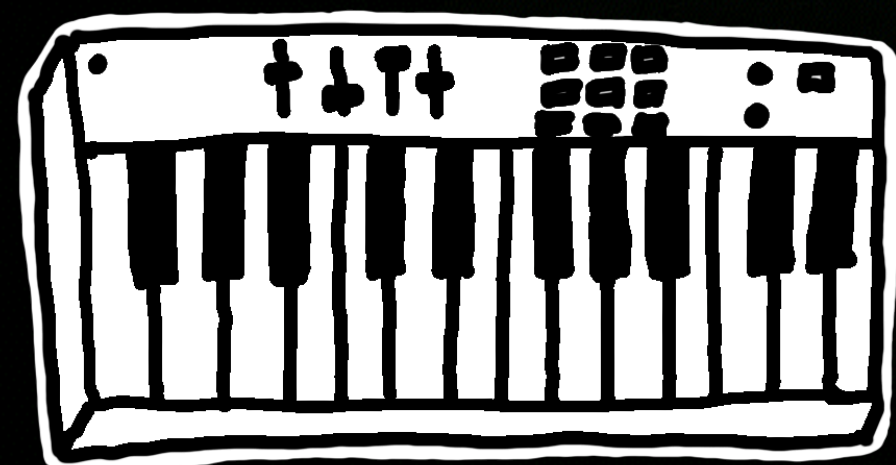
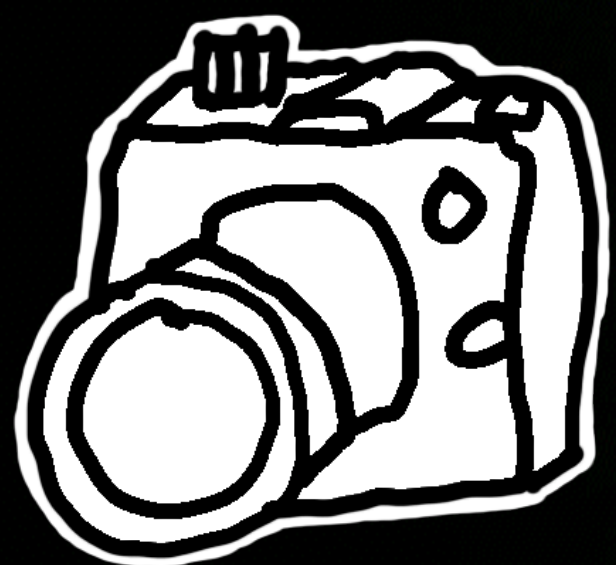
Grid of logos for various cloud native technologies and services.



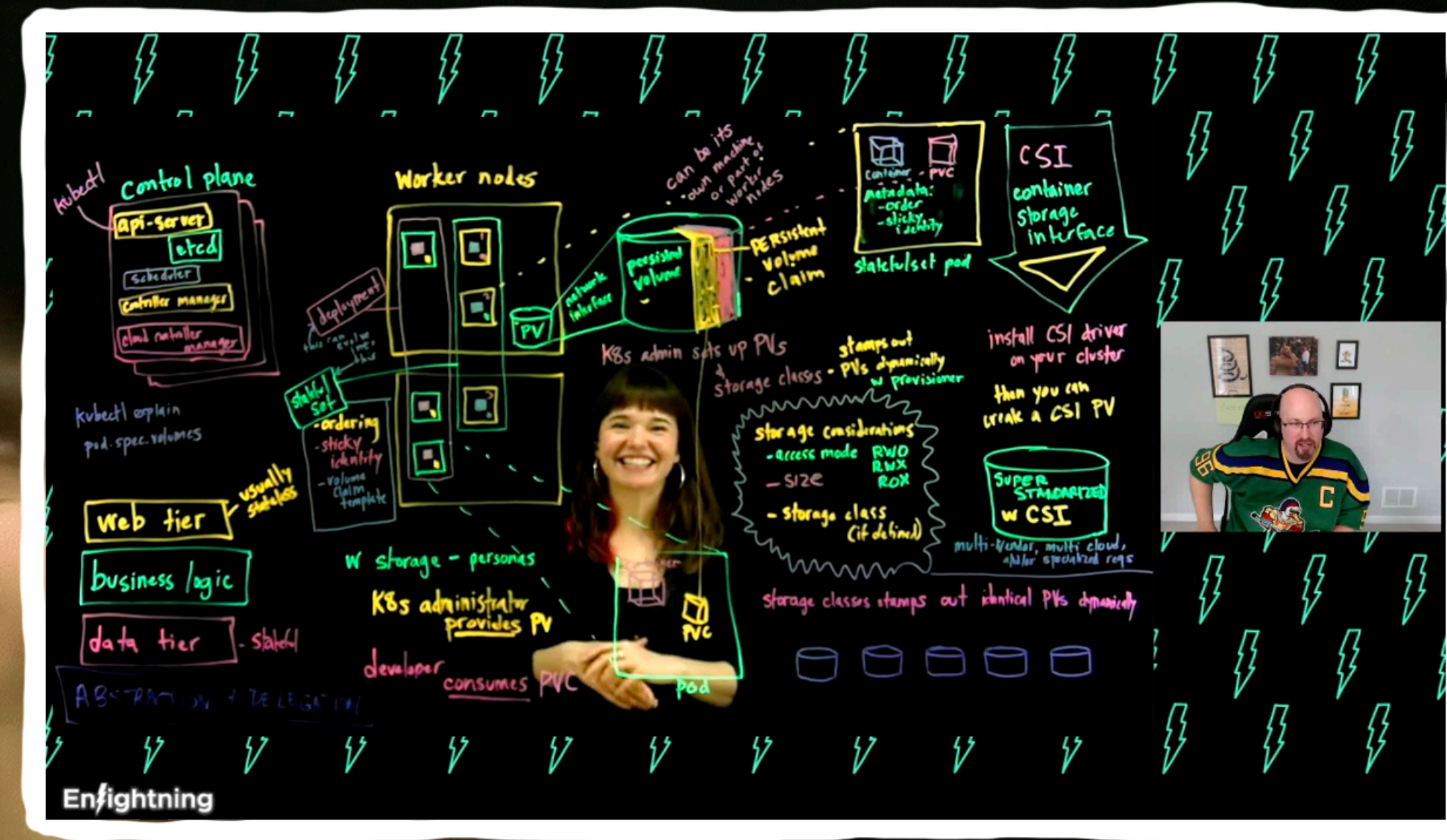
MATTHEW TRATTON



WHITNEY LEE



VMware Tanzu™



You Tube

Enlightning

how do you

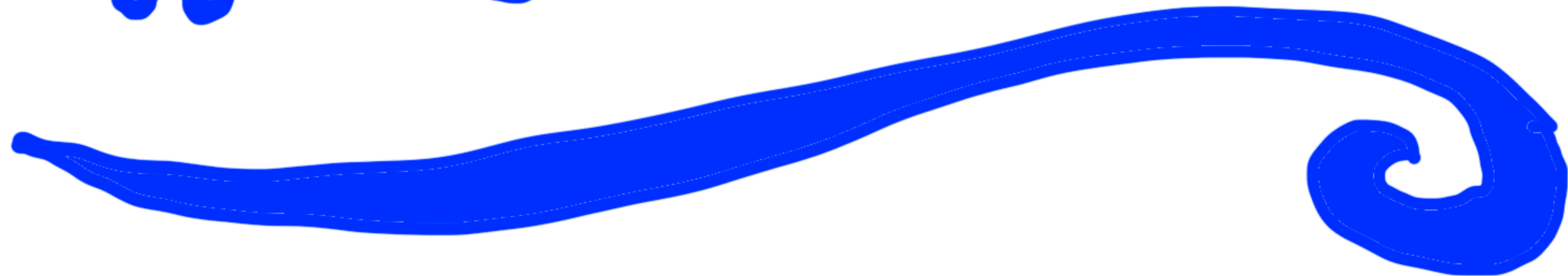
START RESEARCHING A

BIG

TOPIC?



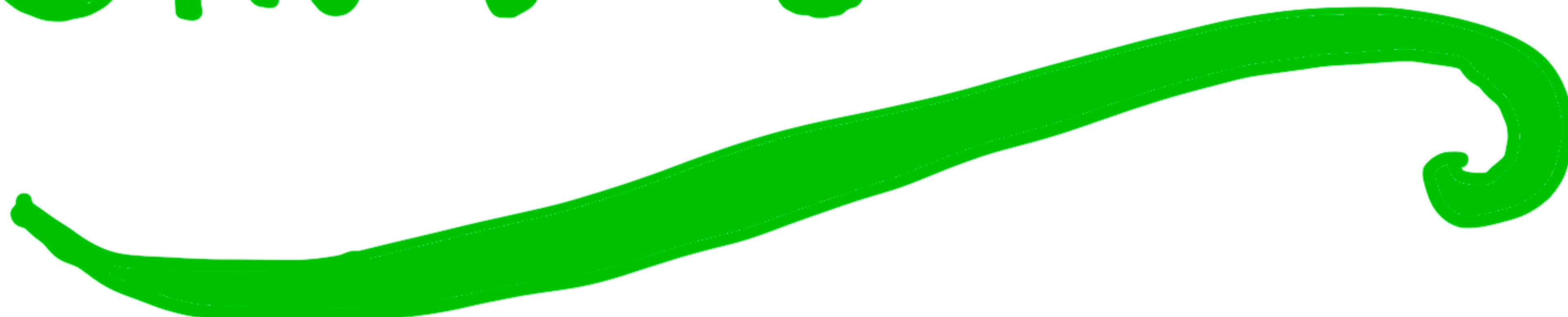
Collect Resources



COLLECT
D O N ' T
CONSUME

!

Skim Resources



at first,

YOU DON'T KNOW

what

YOU DON'T KNOW

WHAT
CONCEPTS
COME UP
REPEATEDLY?

WHAT
ASSUMED
KNOWLEDGE
IS HERE?

WHAT RESOURCES

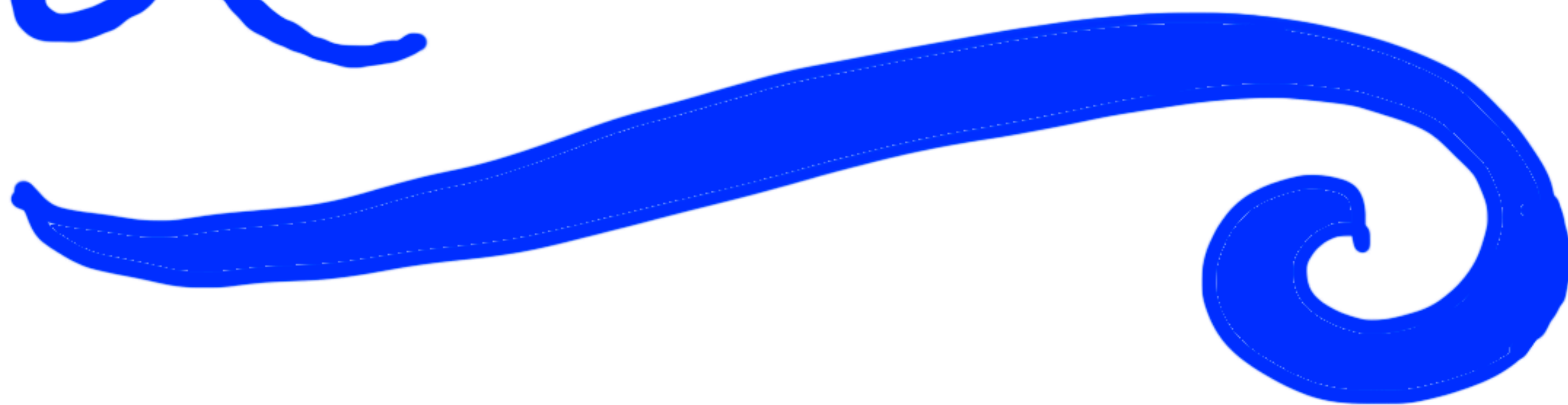
resonate

WITH YOU

personally?

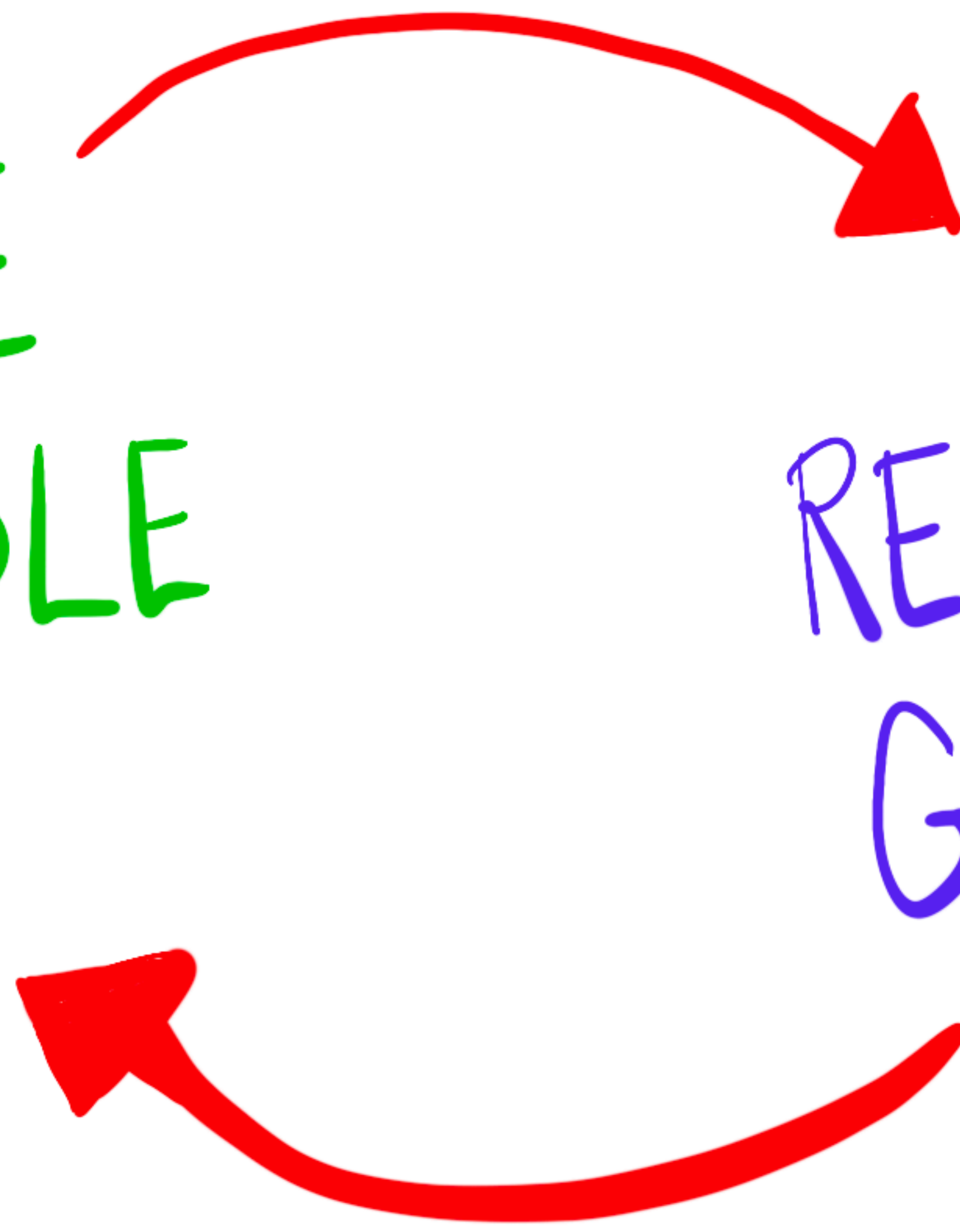
Refine

Learn

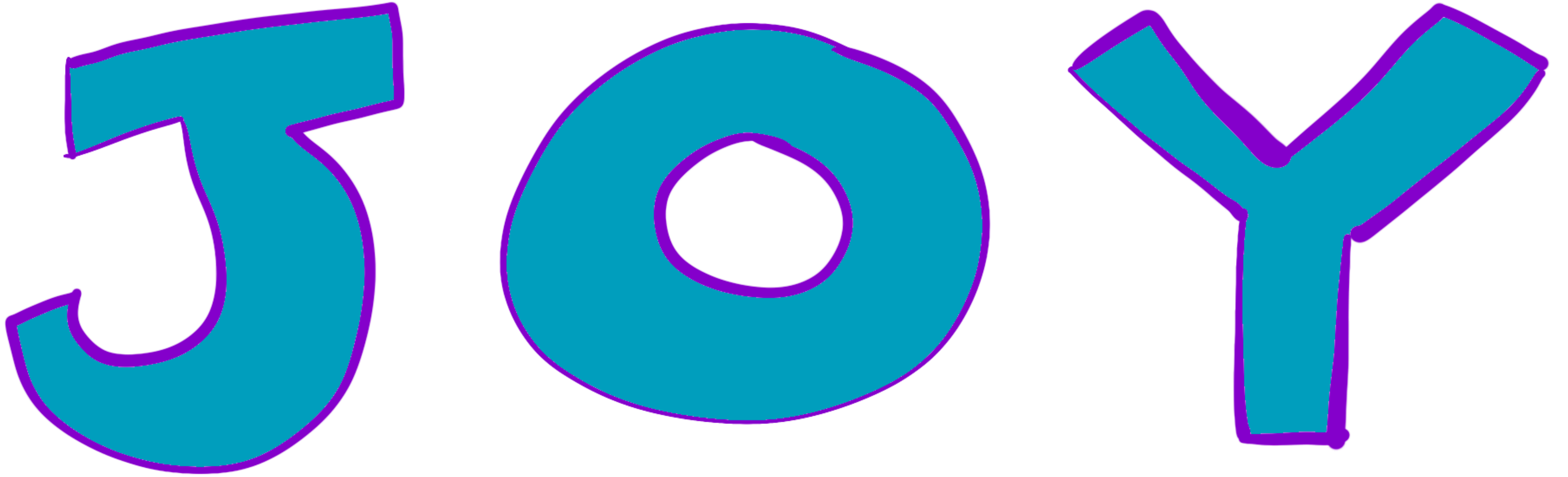


DEFINE
REASONABLE
GOALS

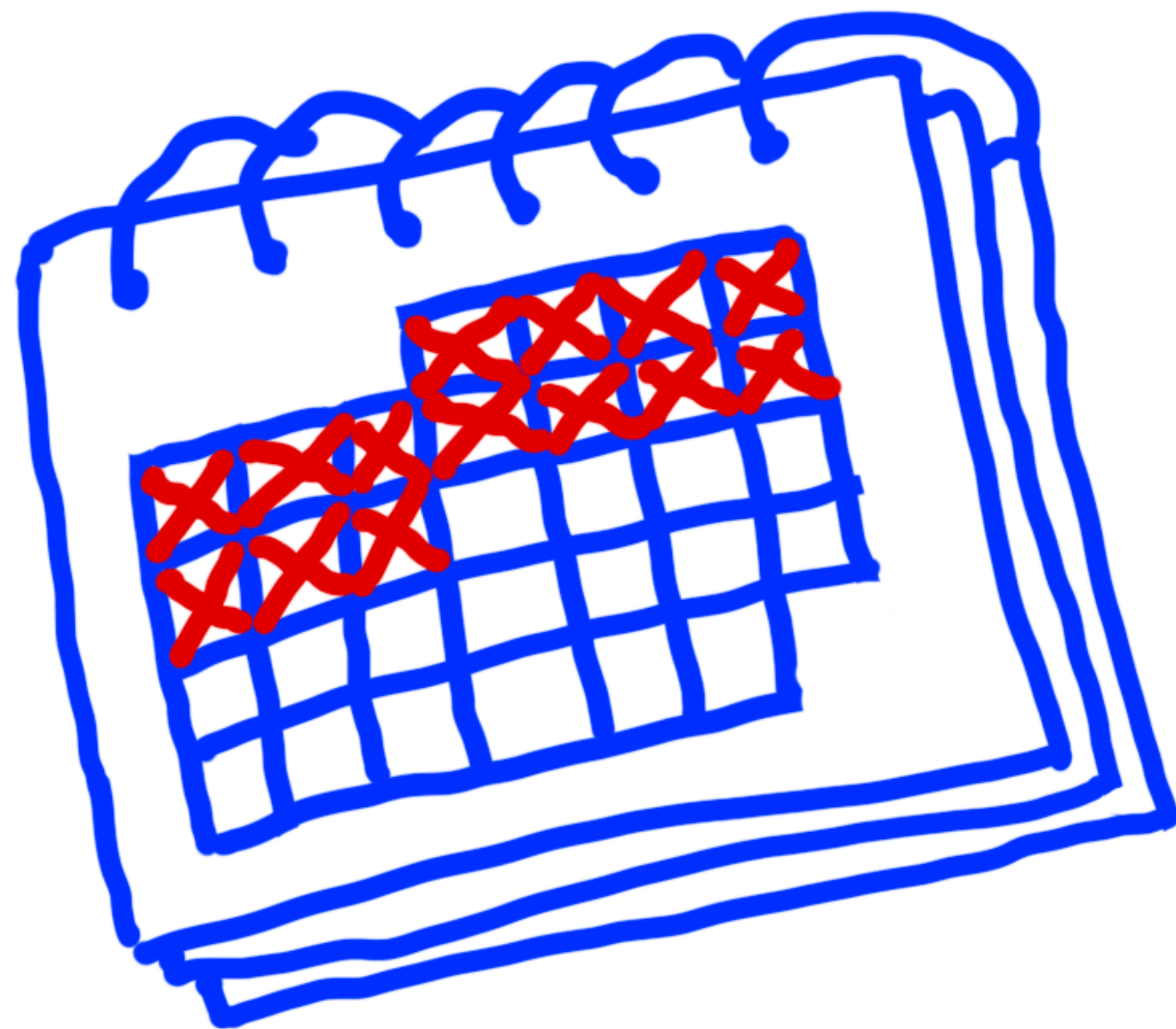
DO
REASONABLE
GOALS



the



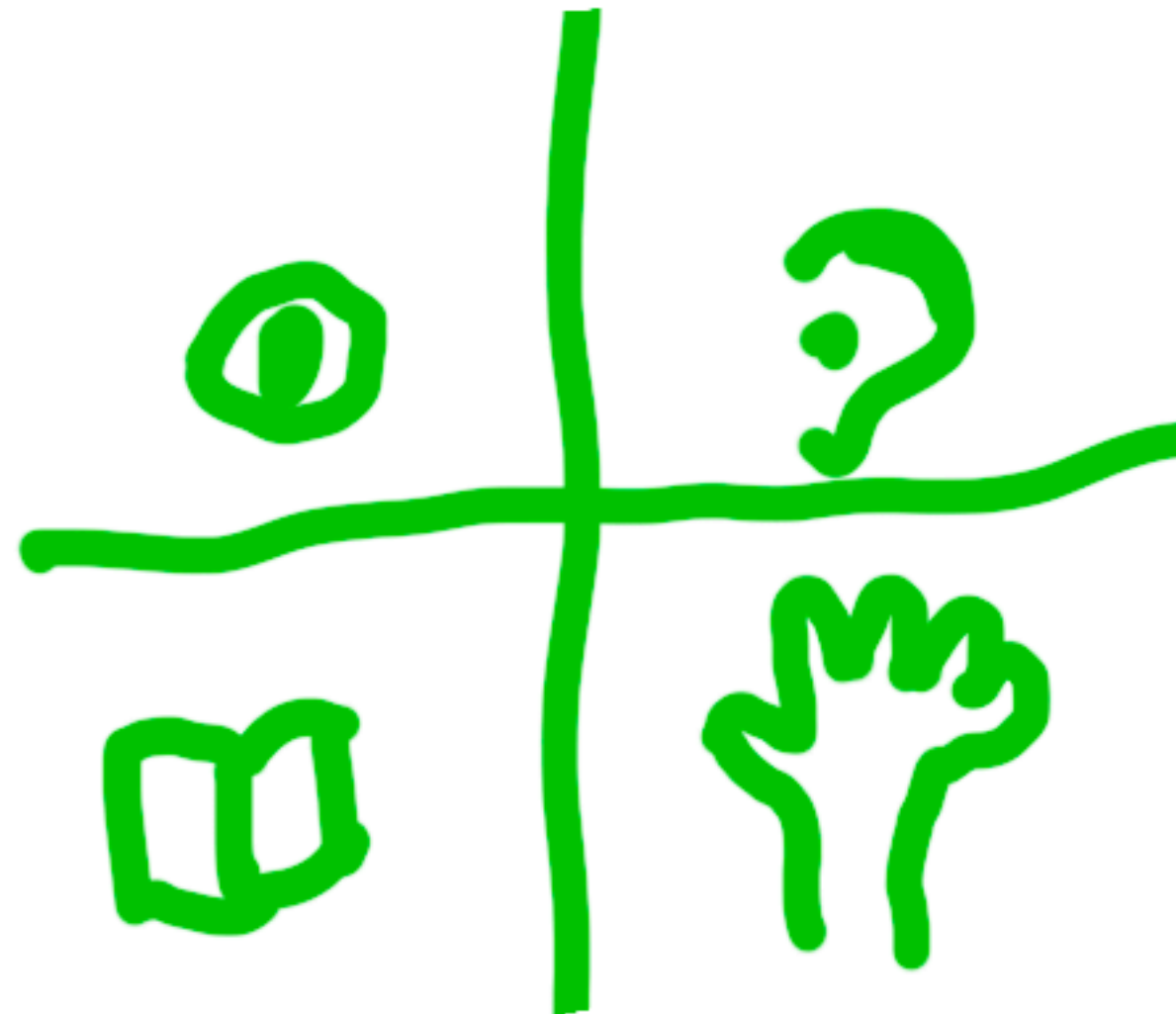
is in the progress!



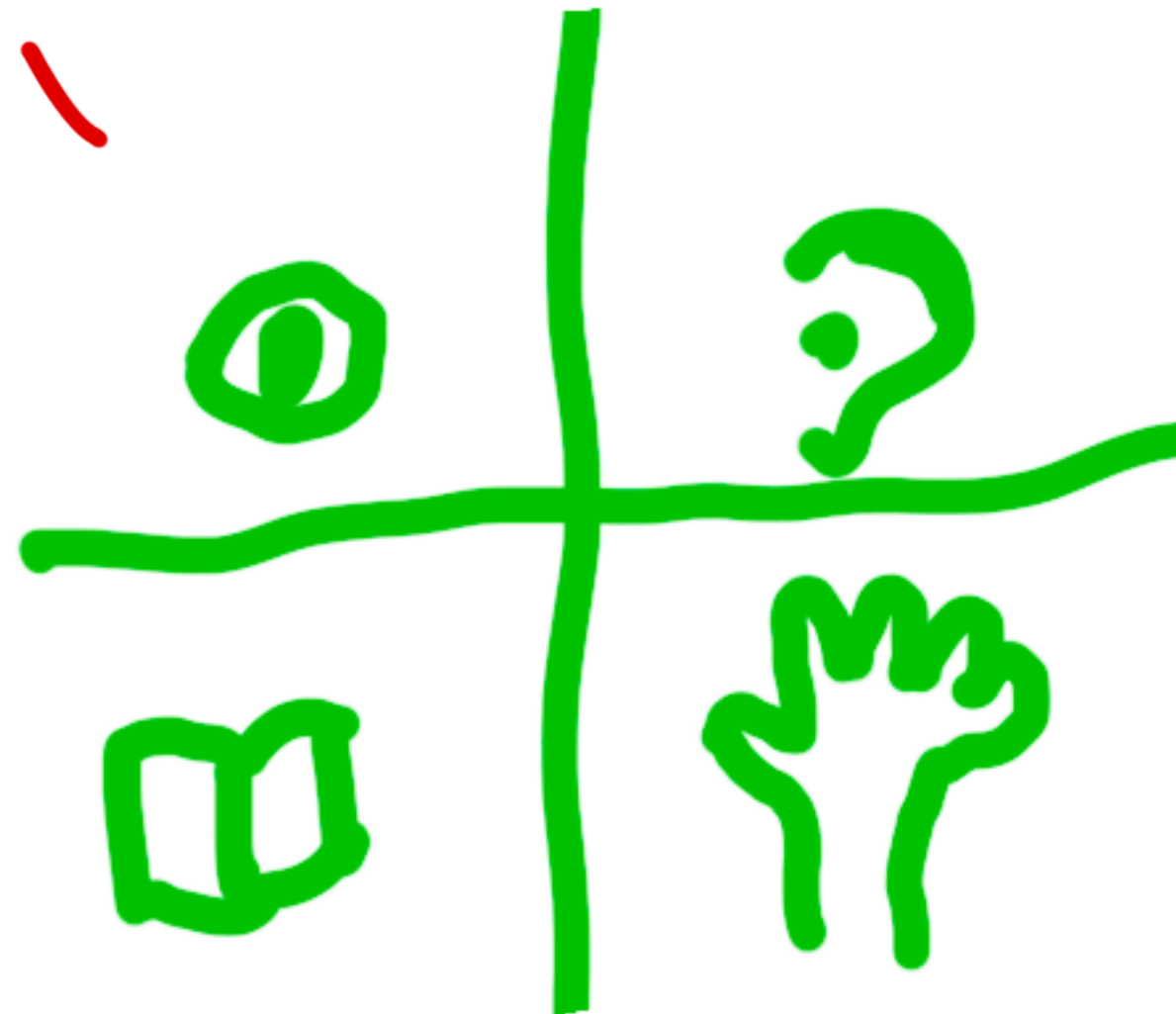
@wiggitywhitney

@mattstratton

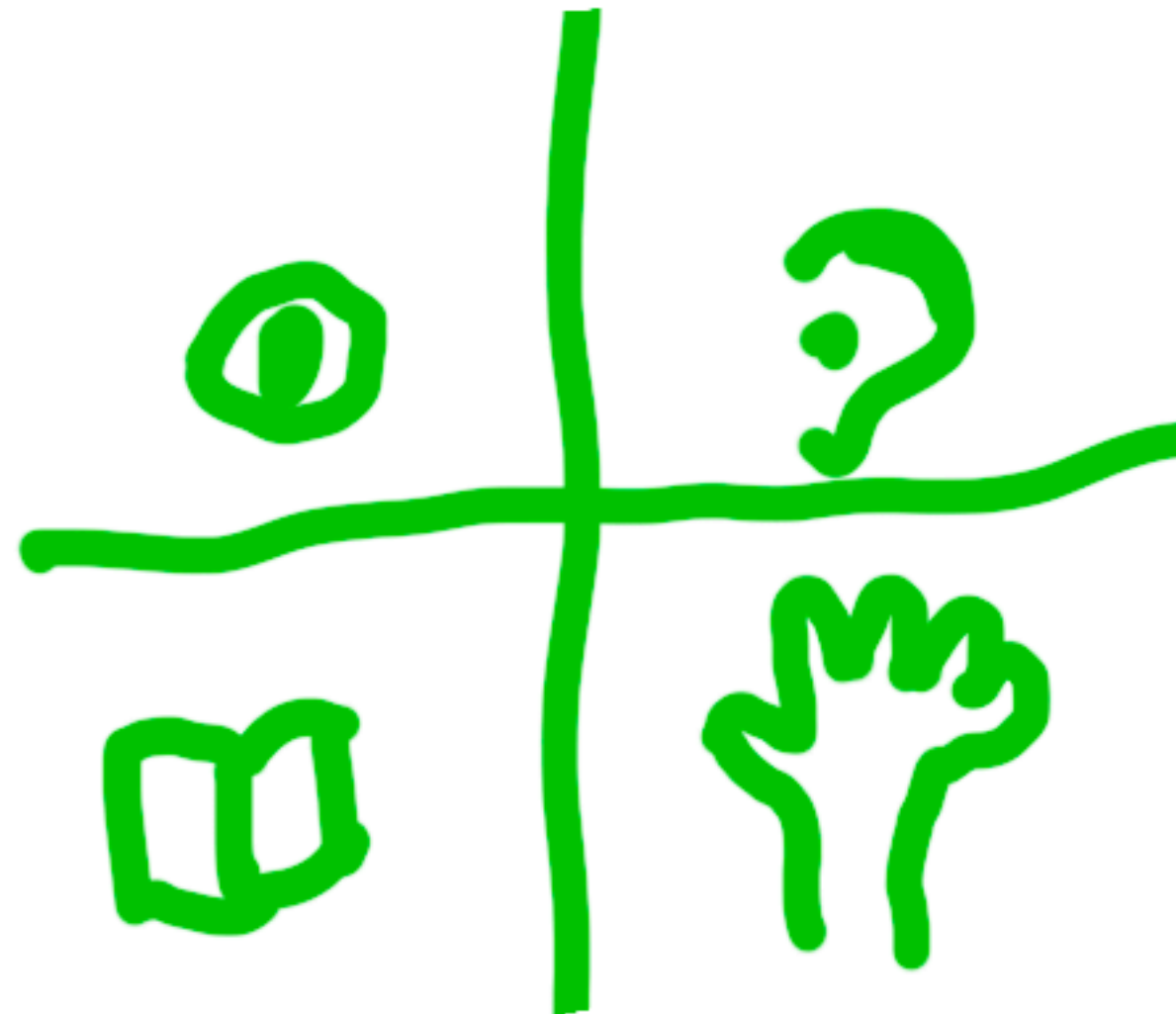
QUESTIONS FOR YOU



QUESTIONS FOR YOU



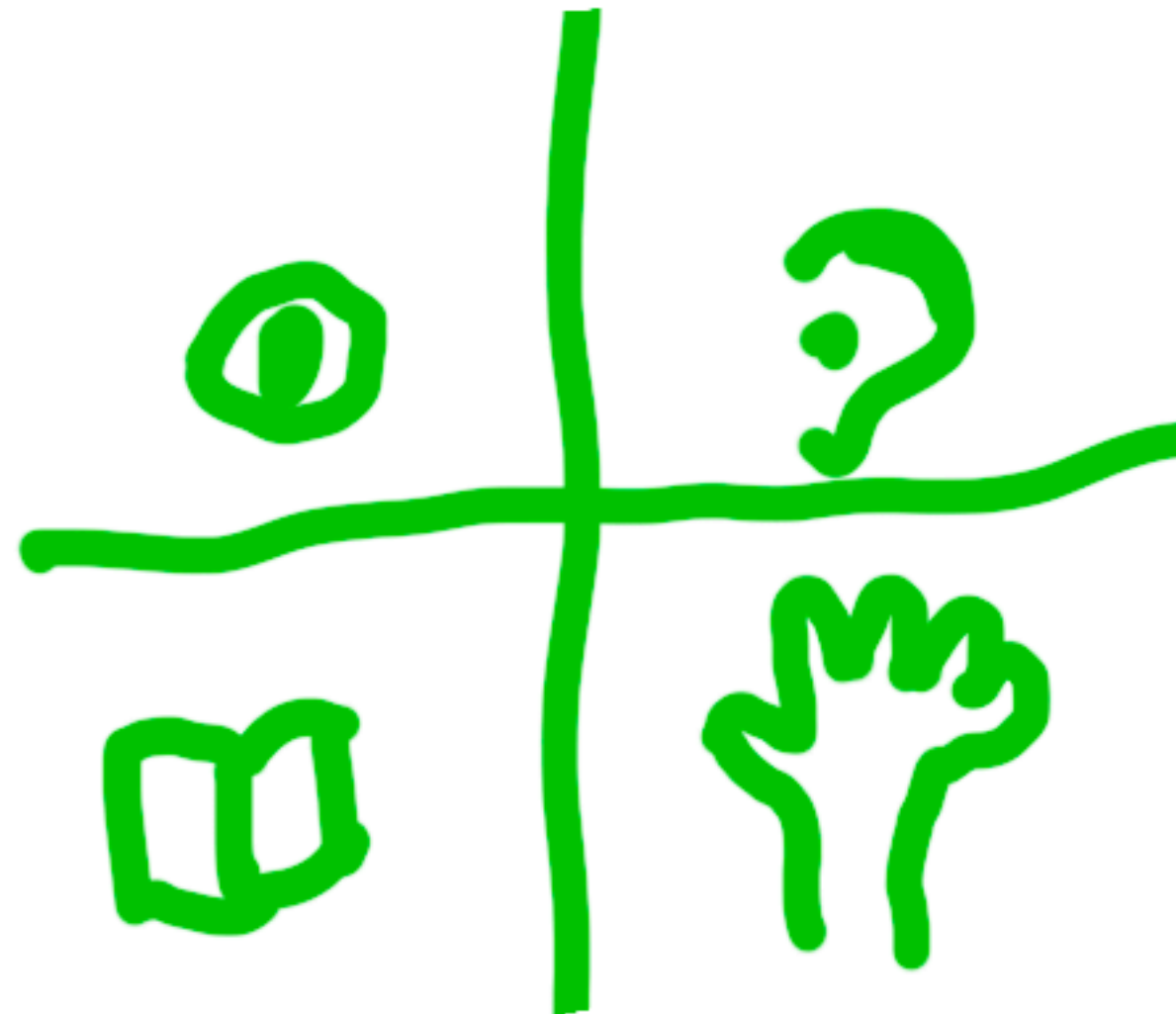
QUESTIONS FOR YOU



@wiggitywhitney

@mattstratton

QUESTIONS FOR YOU



MARK!!



who goes there?

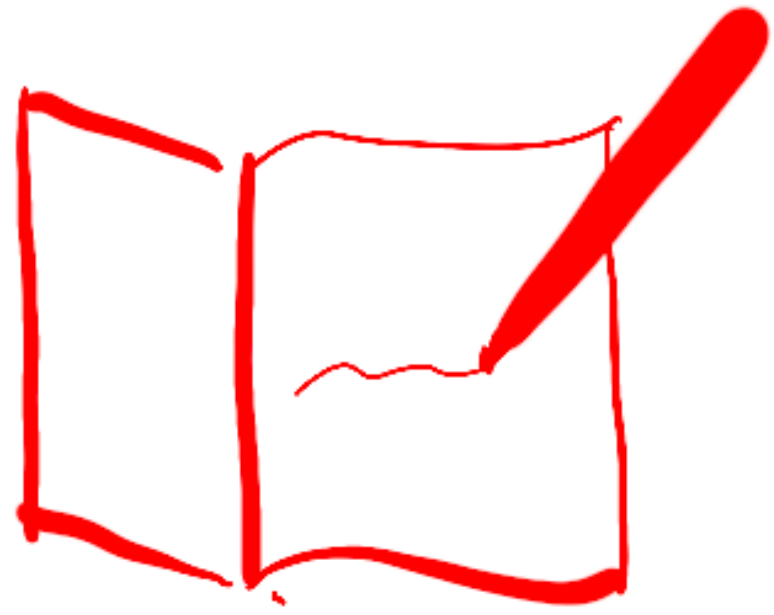
visual



auditory



V A R K



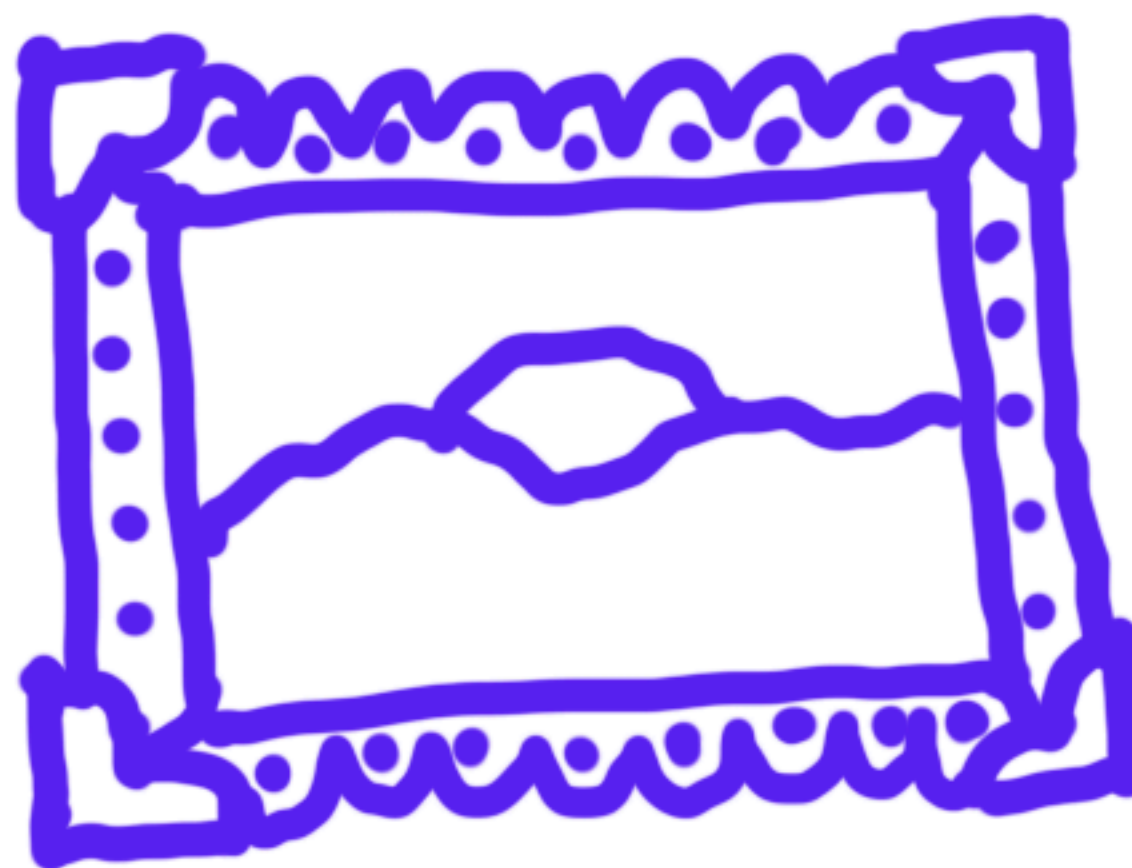
reading/writing



kinesthetic

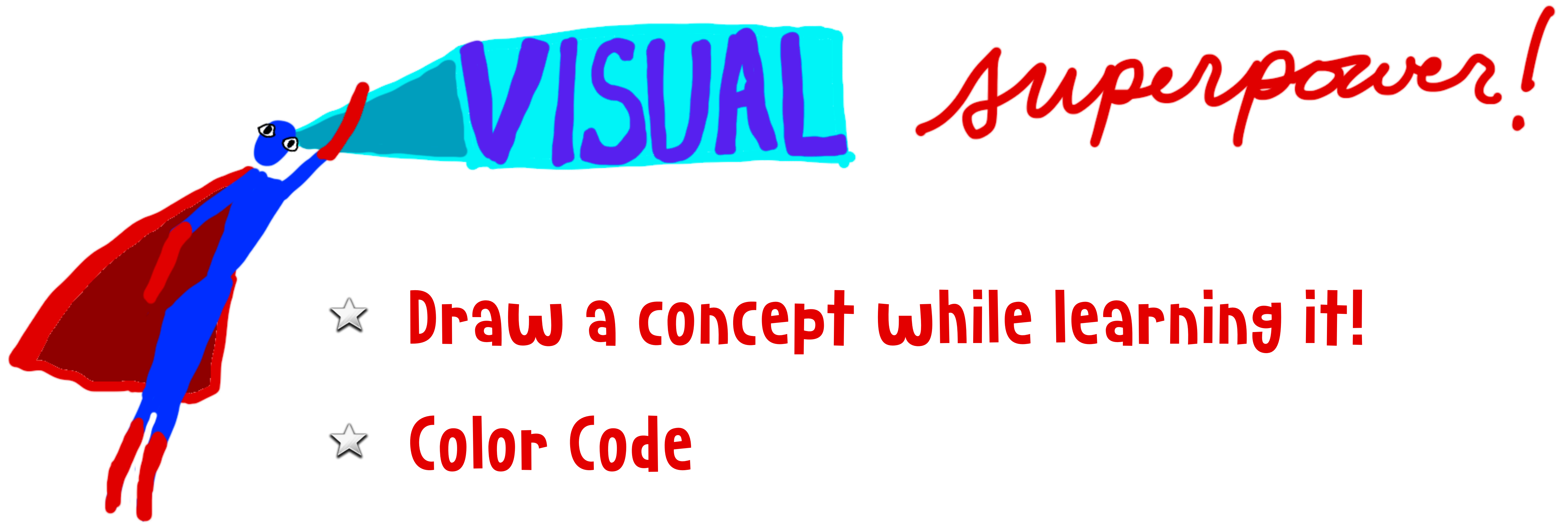
What type of learner
are you?

visual



@wiggitywhitney

@mattstratton



- ★ Draw a concept while learning it!
- ★ Color Code
- ★ Watch lightboard videos
- ★ Take your time!

auditory



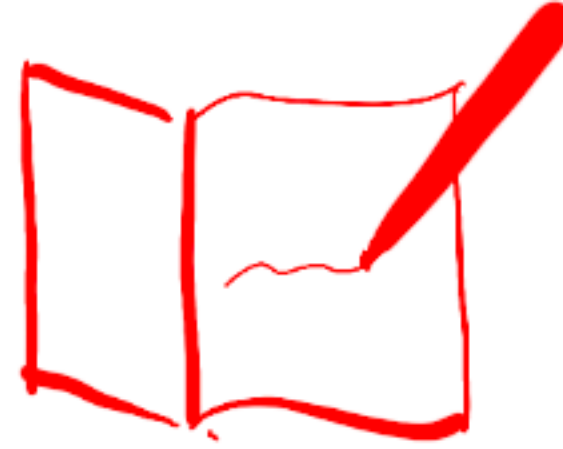
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@mattstratton

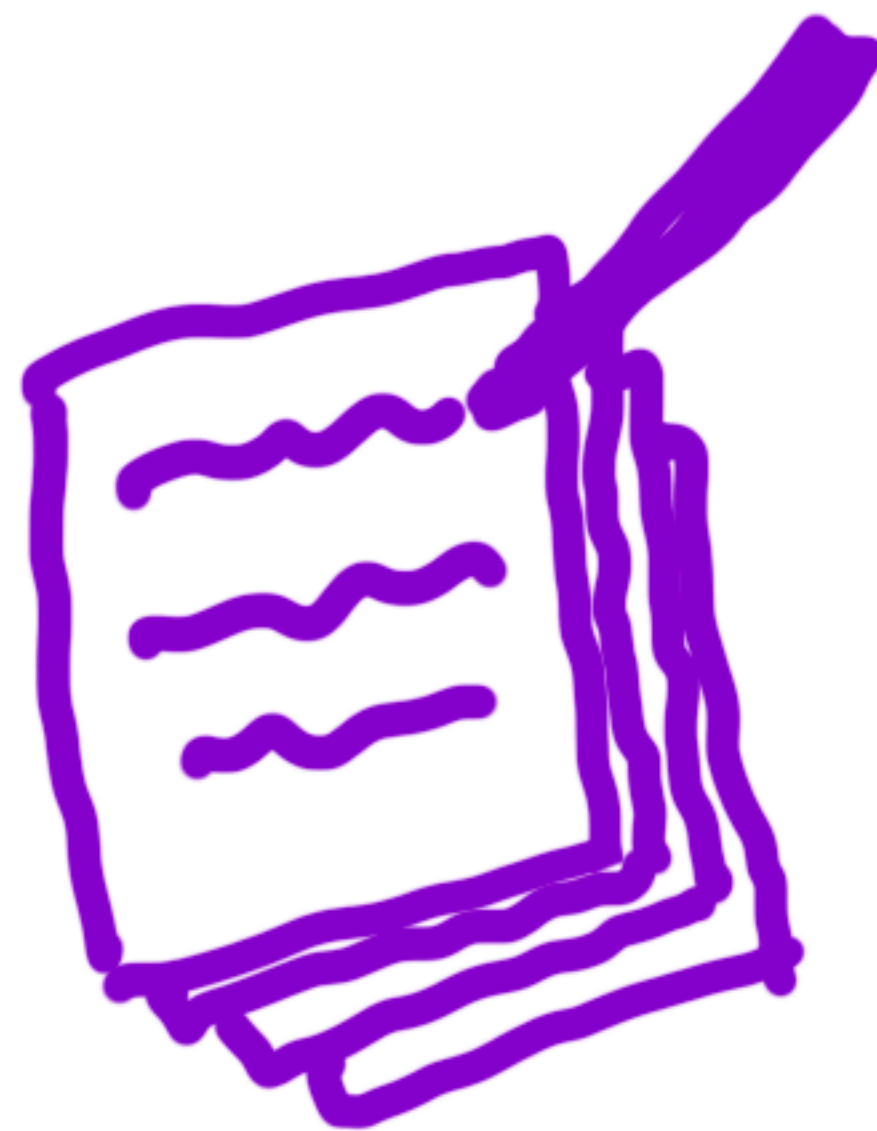
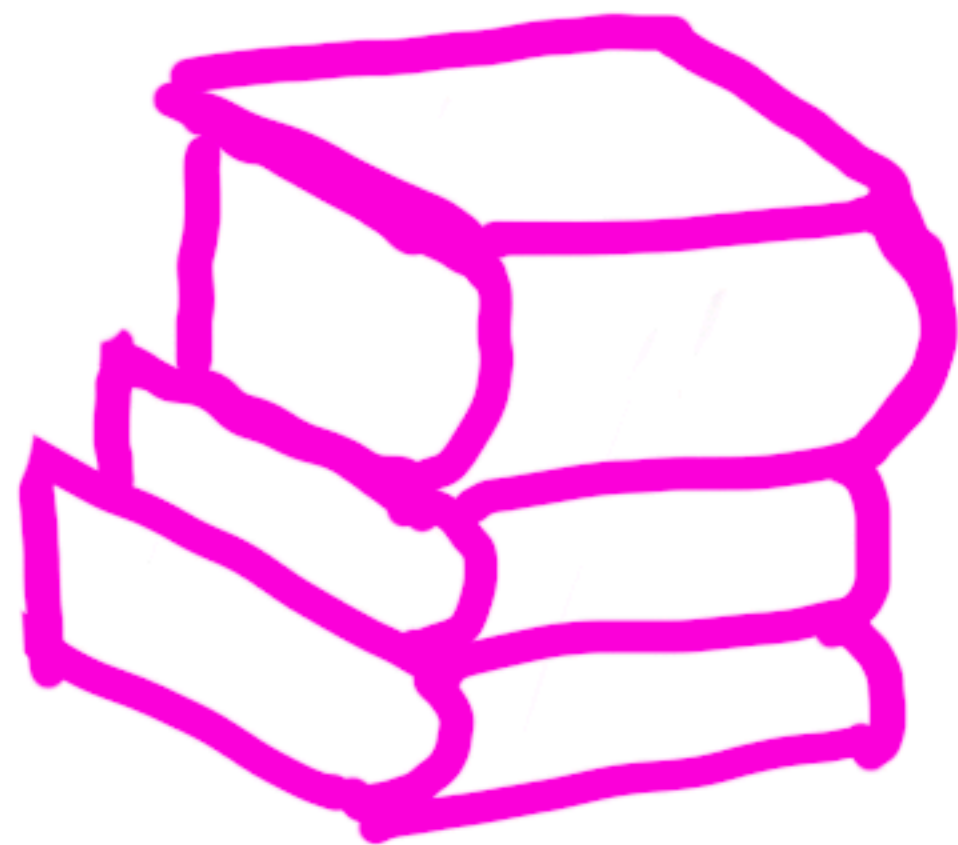


AUDITORY *superpower!*

- ★ Study buddies!
- ★ Watch guest speakers at meetups or conferences
- ★ Audiobooks! Podcasts! Interviews!
- ★ Use your own voice – talk to yourself!



reading / writing



@wiggitywhitney

@mattstratton



superpower!

- ★ It's not just reading – write as well!
- ★ Book clubs are fun! Join one.
- ★ Reframe in your own words
- ★ Use flashcards

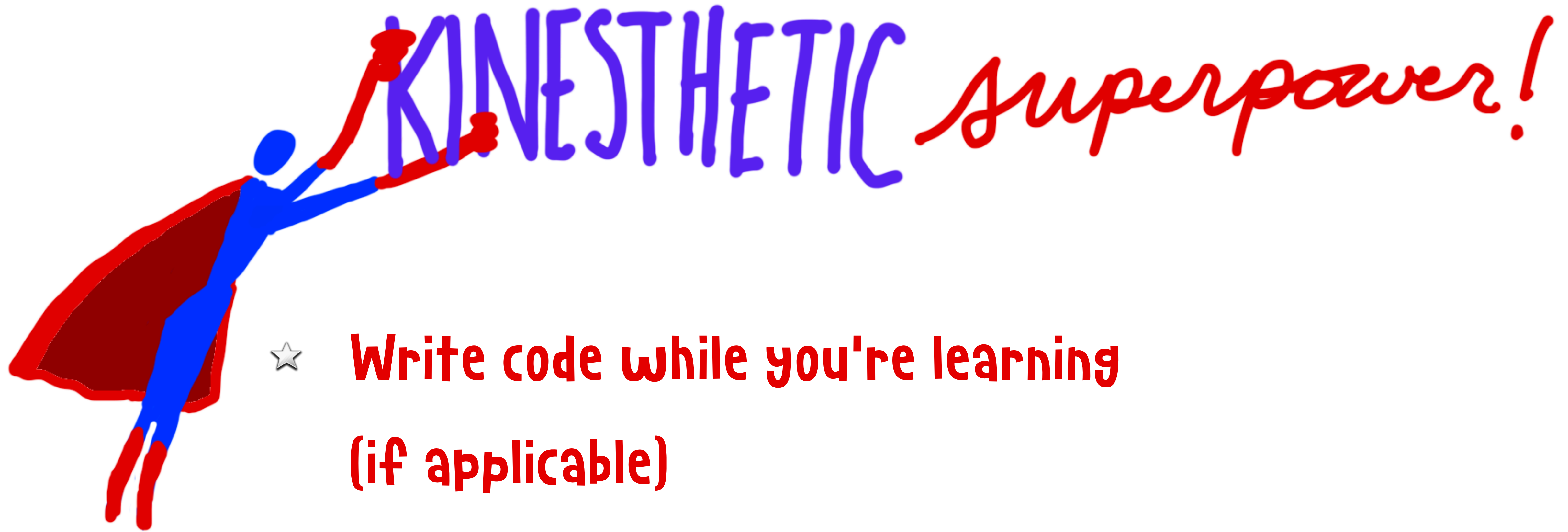


kinesthetic



@wiggitywhitney

@mattstratton



- ★ Write code while you're learning (if applicable)
- ★ Learning can be a game!
- ★ Don't forget your pace
- ★ Look for hands-on resources/playgrounds online

stories from
REAL PEOPLE

@wiggitywhitney

@mattstratton

Guinevere Saenger

Unhelpful advice I
received;

"jUST go cOntRibUte!"

"you SSh into nodes but kubectl
exec into pods – this killed me"

"Everyone insisted it was really, really
hard, and mostly just referring to their
inability to explain it"

Kat Cosgrove

Unhelpful advice I received;
"Oh, this is always hard to learn"

"No one is an expert in every
one of the many moving
pieces that make up
Kubernetes"

Hardest thing about learning K8s;
"Networking. Frankly, I'm still
pretty convinced that networking
is magic"



Lena Hall 🇺🇦

@lenadroid



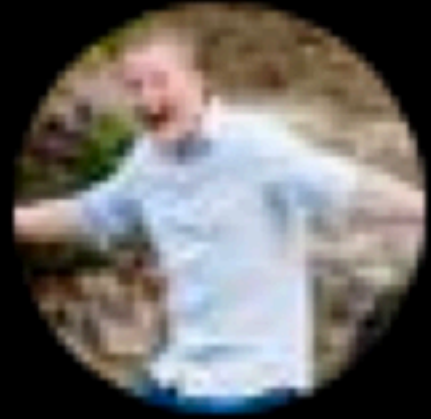
Replying to @mattstratton and @wiggitywhitney

I read a big percentage of Kubernetes documentation in 2015 in the last row of a sparsely populated movie theater session. It was fun 😊

5:45 PM · May 4, 2022 · Twitter for Android

@wiggitywhitney

@mattstratton



Tim Davis

@vtimd



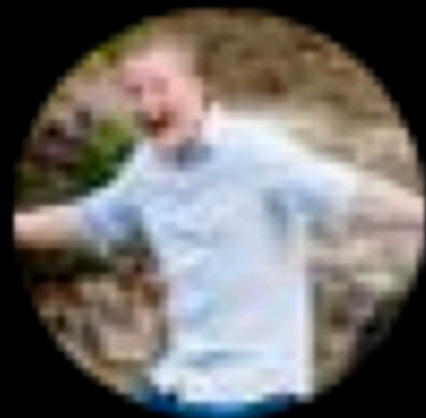
Replying to @mattstratton @DivineOps and @wiggitywhitney

I still think it's a bunch of smoke, mirrors, and a man behind the curtain. I LEARNED IT BY WATCHING YOU, OK! Also, I still don't know it. Send help.

5:11 PM · May 4, 2022 · Twitter for iPhone

@wiggitywhitney

@mattstratton



Tim Davis

@vtimd

Replying to @mattstratton @DivineOps and @wiggitywhitney

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5:11 PM · May 4, 2022 · Twitter for iPhone

WTF,
TIM?
@mattstratton

@wiggitywhitney



Duffie Cooley 🚀🚀🚀

@maulion

...

Replying to @mattstratton and @wiggitywhitney

In three acts:
@kelseyhightower presentations.

Slack.k8s.io #kubernetes-users answering questions
and using questions I didn't know the answers to, to go
learn more.

Working on tectonic at coreos

Sharing with others is always the most effective way to
learn a thing.

3:54 PM · May 4, 2022 · Twitter for iPhone

@wiggitywhitney

@mattstratton



Duffie Cooley   

@maulion



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@mattstratton

Tips & Tricks & Takeaways

- ★ Take time to find resources that work for you
- ★ Build sustainable habits
- ★ Be kind to yourself
- ★ Find a mentor
- ★ There is no getting around it, deep learning takes time

REFERENCES

Obsidian <https://obsidian.md/>

Notion <https://www.notion.so/>

Anki <https://apps.ankiweb.net/>

4 Types of Learning Styles; How to Accommodate a Diverse Group of Students

<https://www.rasmussen.edu/degrees/education/blog/types-of-learning-styles/>

The VARK Questionnaire

<https://vark-learn.com/the-vark-questionnaire/>

Overview of VARK Learning Styles

<https://www.verywellmind.com/vark-learning-styles-2795156>

4 Types of Learning Styles; Explaining the VARK Model

<https://sphero.com/blogs/news/learning-styles-for-kids>

⚡ Enlightning "How Do You Structure Learning For Technical Concepts?" <https://via.vmw.com/Ehup>

Twitter thread on advice from community <https://twitter.com/mattstratton/status/1521954012370817025>

REFERENCES

bit.ly/ChartingYourCourseKubeCon



@wiggitywhitney

@mattstratton