

CHARTING YOUR OWN COURSE

through the

CLOUDNATIVE

LANDSCAPE

FEATURING MATTY STRATTON & WHITNEY LEE

Grid of logos for various CNCF projects, including Kubernetes, Istio, and others.

Scheduling & Orchestration

Grid of logos for Scheduling & Orchestration projects, including Kubernetes, Crossplane, and others.

Coordination & Service Discovery

Grid of logos for Coordination & Service Discovery projects, including CoreDNS, etcd, and others.

Remote Procedure Call

Grid of logos for Remote Procedure Call projects, including gRPC, and others.

Service Proxy

Grid of logos for Service Proxy projects, including Envoy, and others.

API Gateway

Grid of logos for API Gateway projects, including Kong, and others.

Service Mesh

Grid of logos for Service Mesh projects, including Istio, and others.

Cloud Native Storage

Grid of logos for Cloud Native Storage projects, including Rook, and others.

Container Runtime

Grid of logos for Container Runtime projects, including cri-o, and others.

Cloud Native Network

Grid of logos for Cloud Native Network projects, including Cilium, and others.

Automation & Configuration

Grid of logos for Automation & Configuration projects, including Ansible, and others.

Container Registry

Grid of logos for Container Registry projects, including Harbor, and others.

Security & Compliance

Grid of logos for Security & Compliance projects, including Falco, and others.

Key Management

Grid of logos for Key Management projects, including Spiffe, and others.

Kubernetes Certified Service Provider

Grid of logos for Kubernetes Certified Service Providers, including AWS, and others.

Kubernetes Training Partner

Grid of logos for Kubernetes Training Partners, including Red Hat, and others.

Grid of logos for various CNCF projects, including Kubernetes, Istio, and others.

Certified Kubernetes - Hosted

Grid of logos for Certified Kubernetes Hosted providers, including AWS, and others.

Certified Kubernetes - Installer

Grid of logos for Certified Kubernetes Installer providers, including AWS, and others.

PaaS/Container Service

Grid of logos for PaaS/Container Service providers, including AWS, and others.

Observability and Analysis

Monitoring

Grid of logos for Monitoring projects, including Prometheus, and others.

Logging

Grid of logos for Logging projects, including Fluentd, and others.

Tracing

Grid of logos for Tracing projects, including Jaeger, and others.

Chaos Engineering

Grid of logos for Chaos Engineering projects, including Chaos Mesh, and others.

Grid of logos for various CNCF projects, including Kubernetes, Istio, and others.

Members

Grid of logos for CNCF Members, including Google, and others.

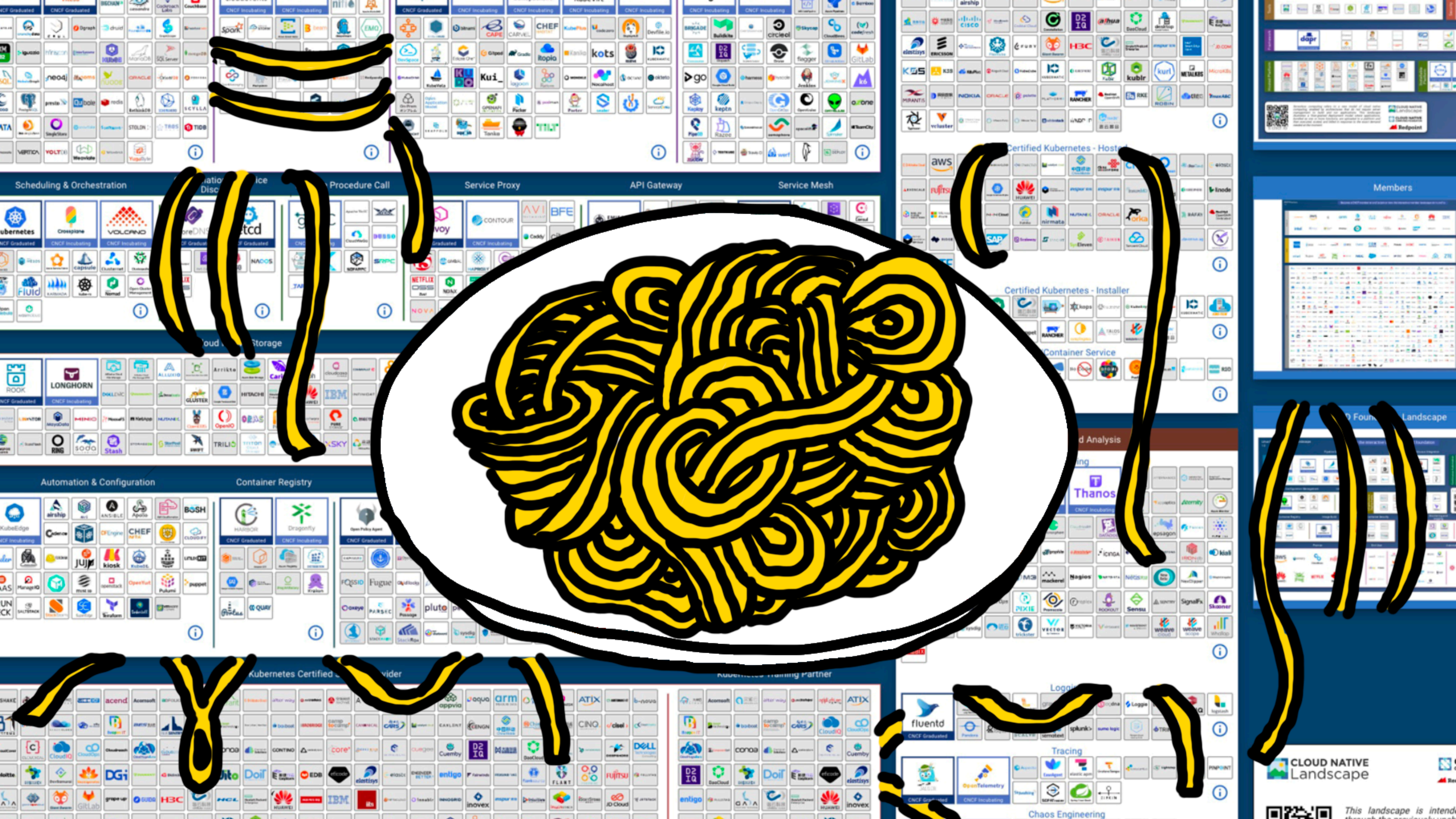
CD Foundation Landscape

Grid of logos for CD Foundation Landscape projects, including ArgoCD, and others.

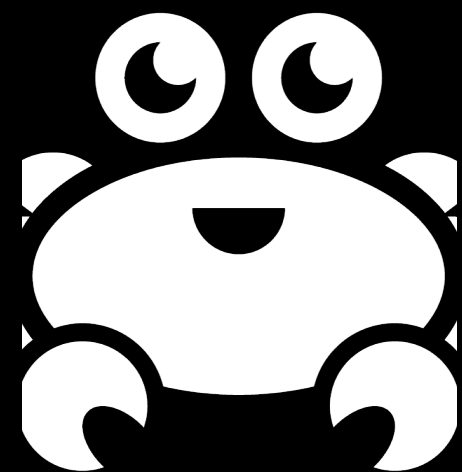
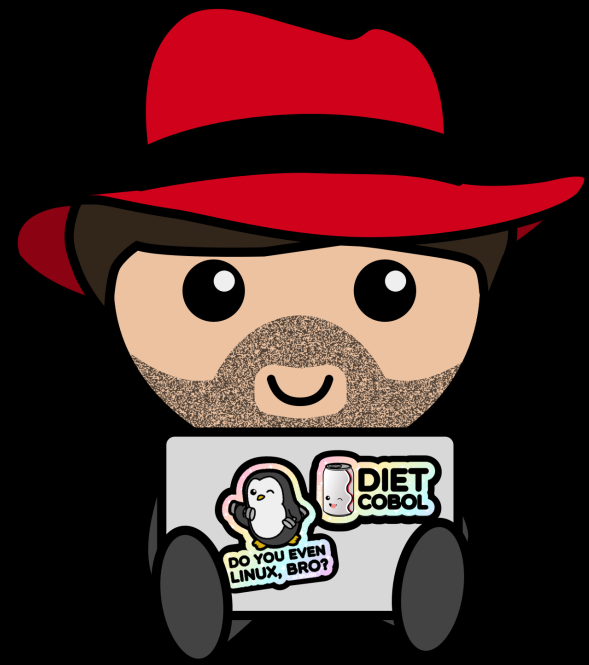
CLOUD NATIVE Landscape

Grid of logos for Cloud Native Landscape projects, including Kubernetes, and others.

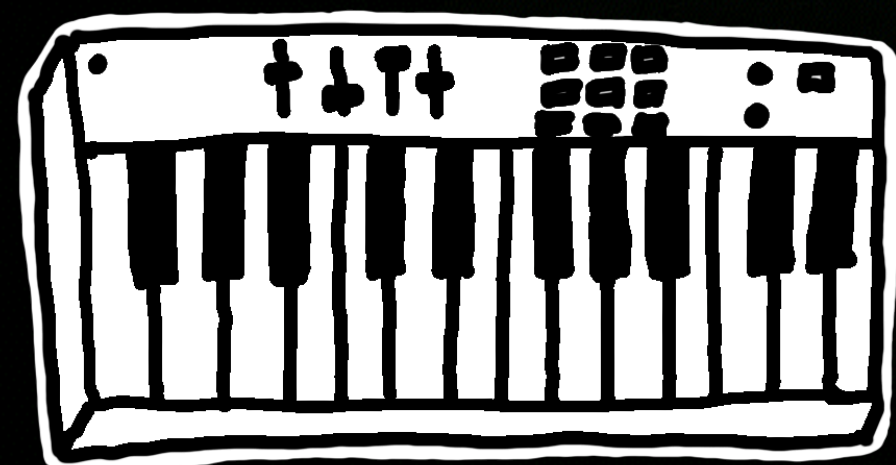
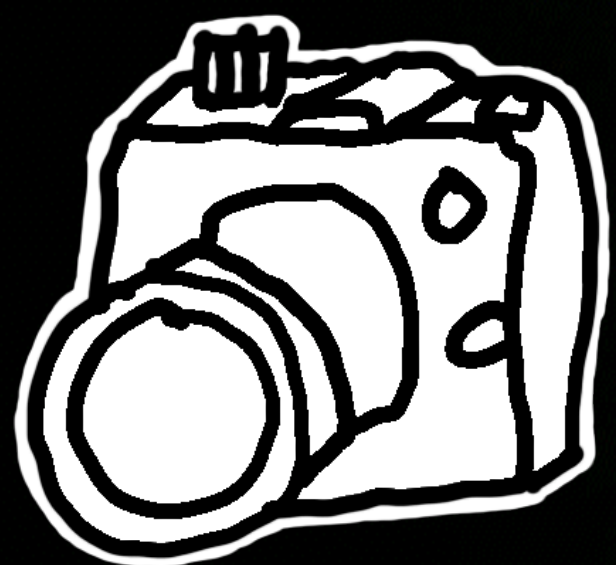
This landscape is intended to provide a comprehensive overview of the cloud native ecosystem.



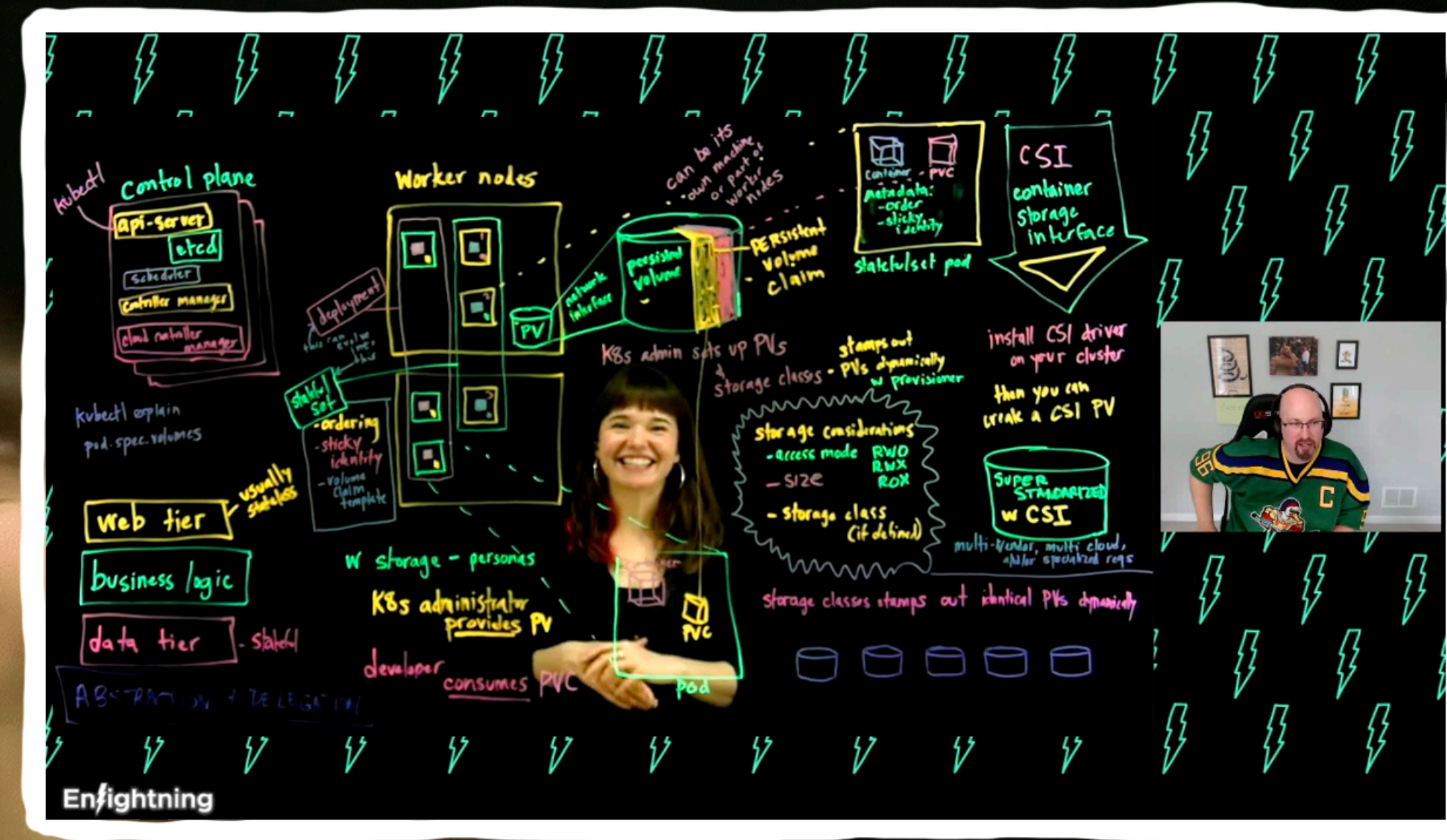
MATTHEW RATTON



WHITNEY LEE



VMware Tanzu™



You Tube

Enlightning

how do you

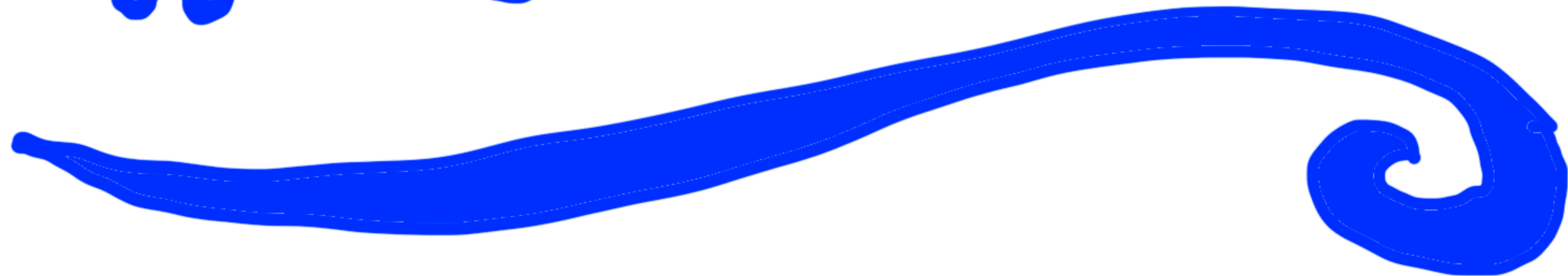
START RESEARCHING A

BIG

TOPIC?



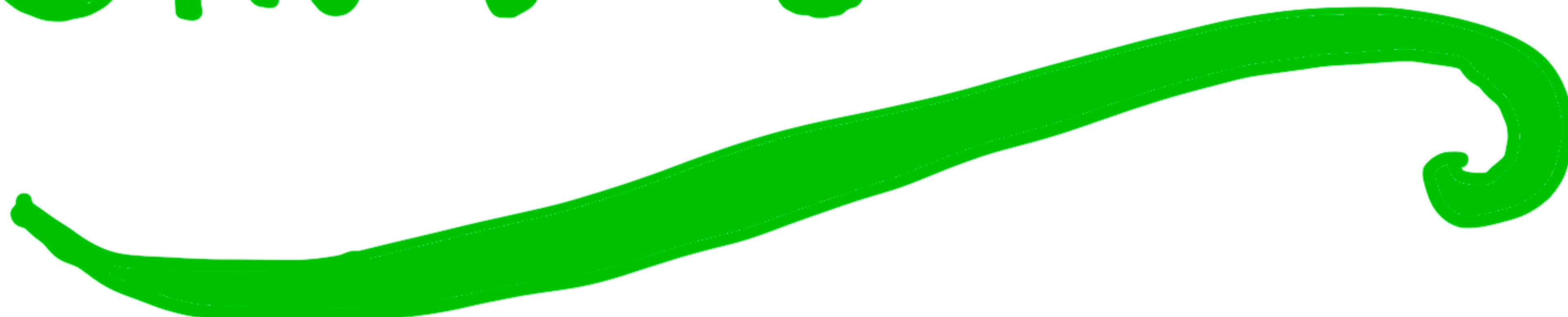
Collect Resources



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

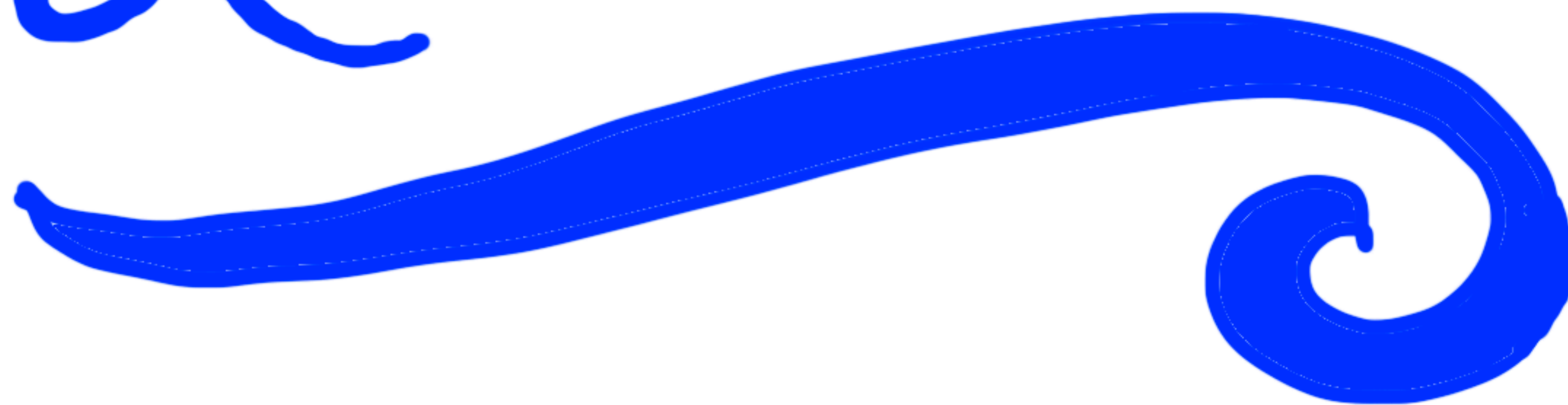
resonate

WITH YOU

personally?

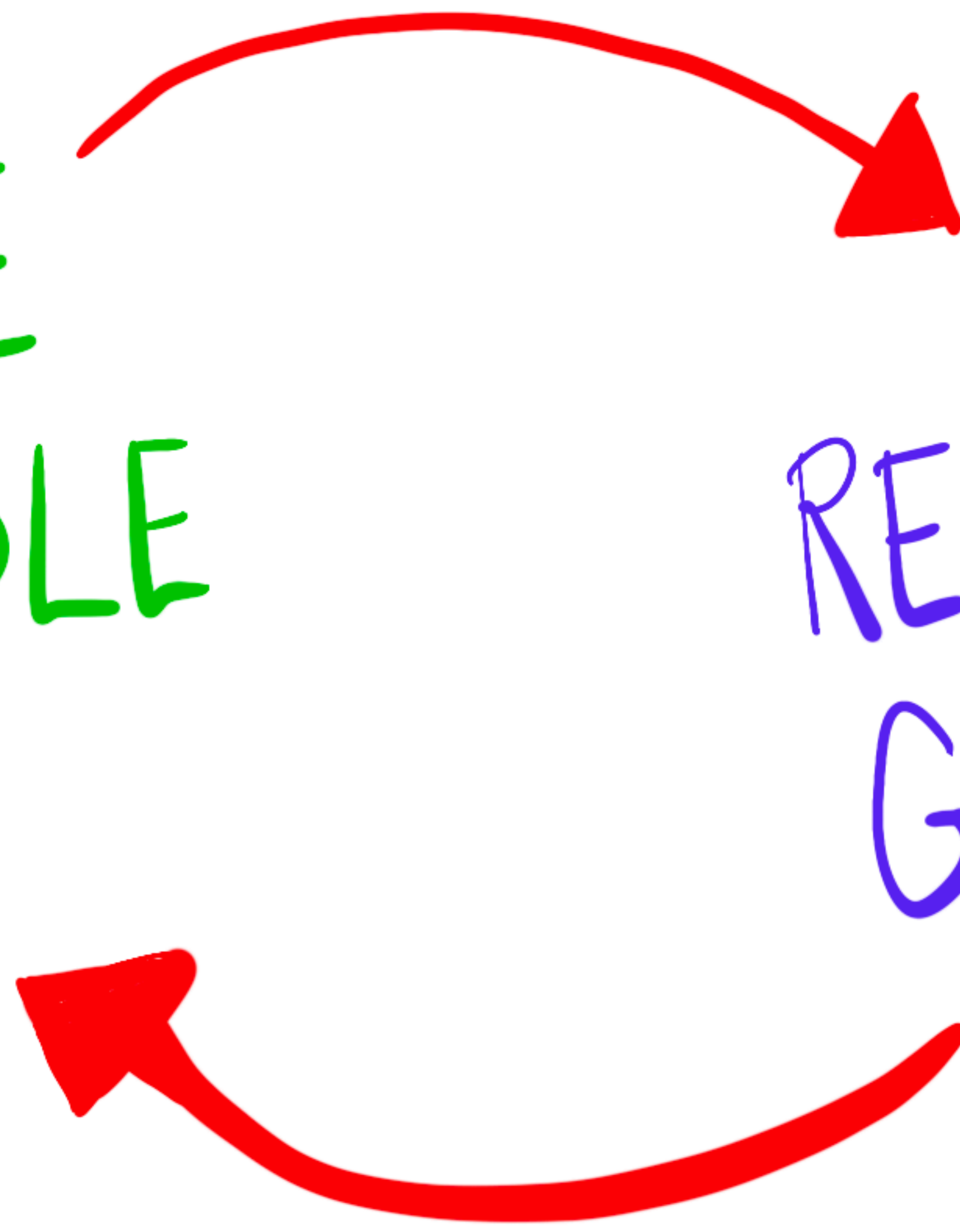
Refine

Learn

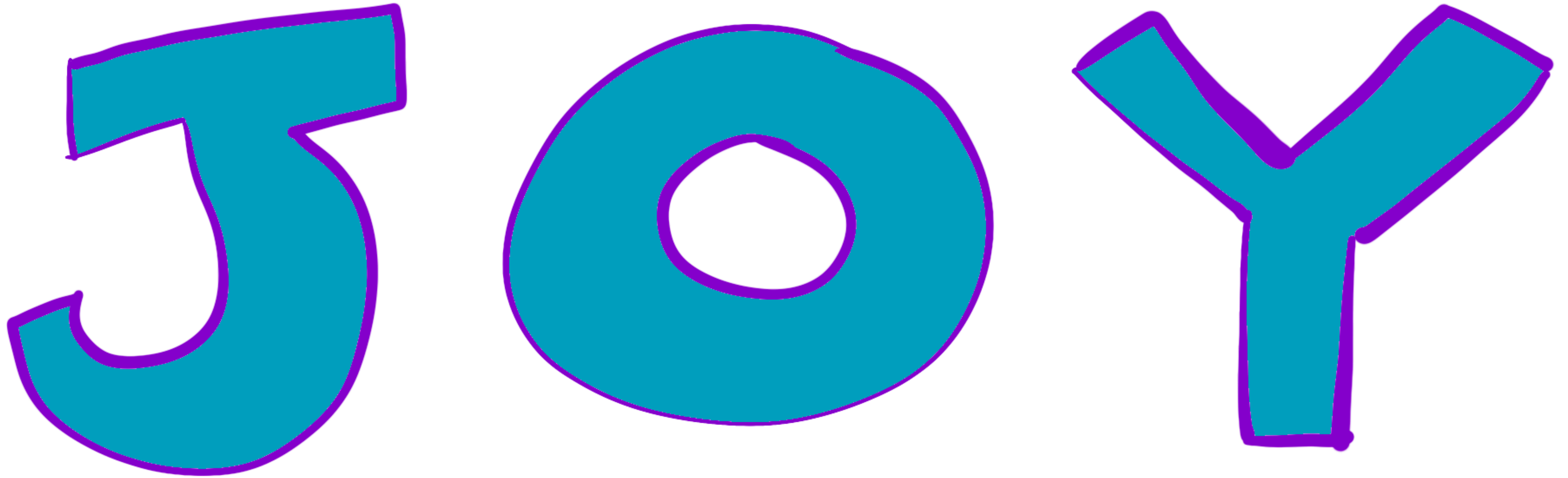


DEFINE
REASONABLE
GOALS

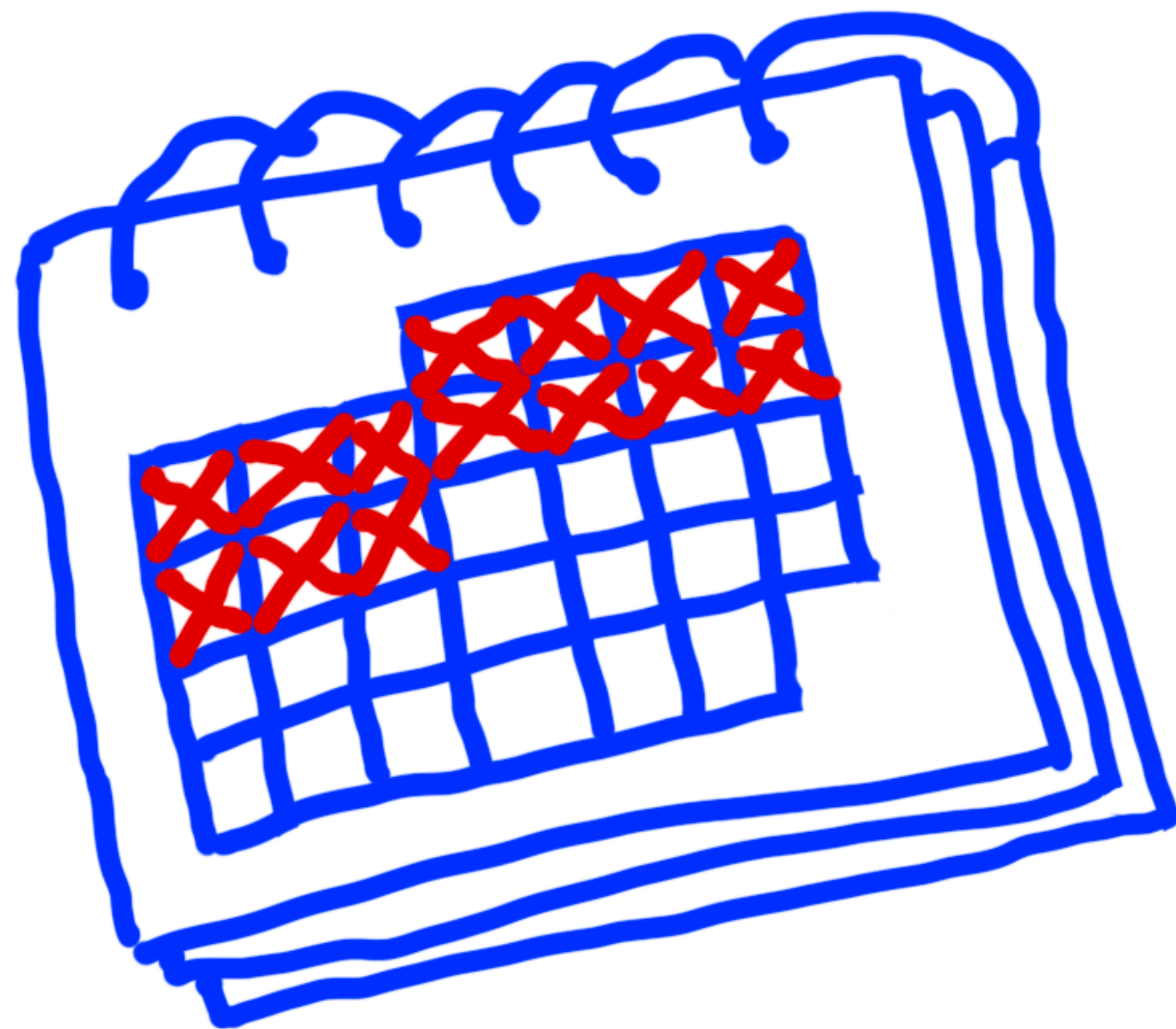
DO
REASONABLE
GOALS



the



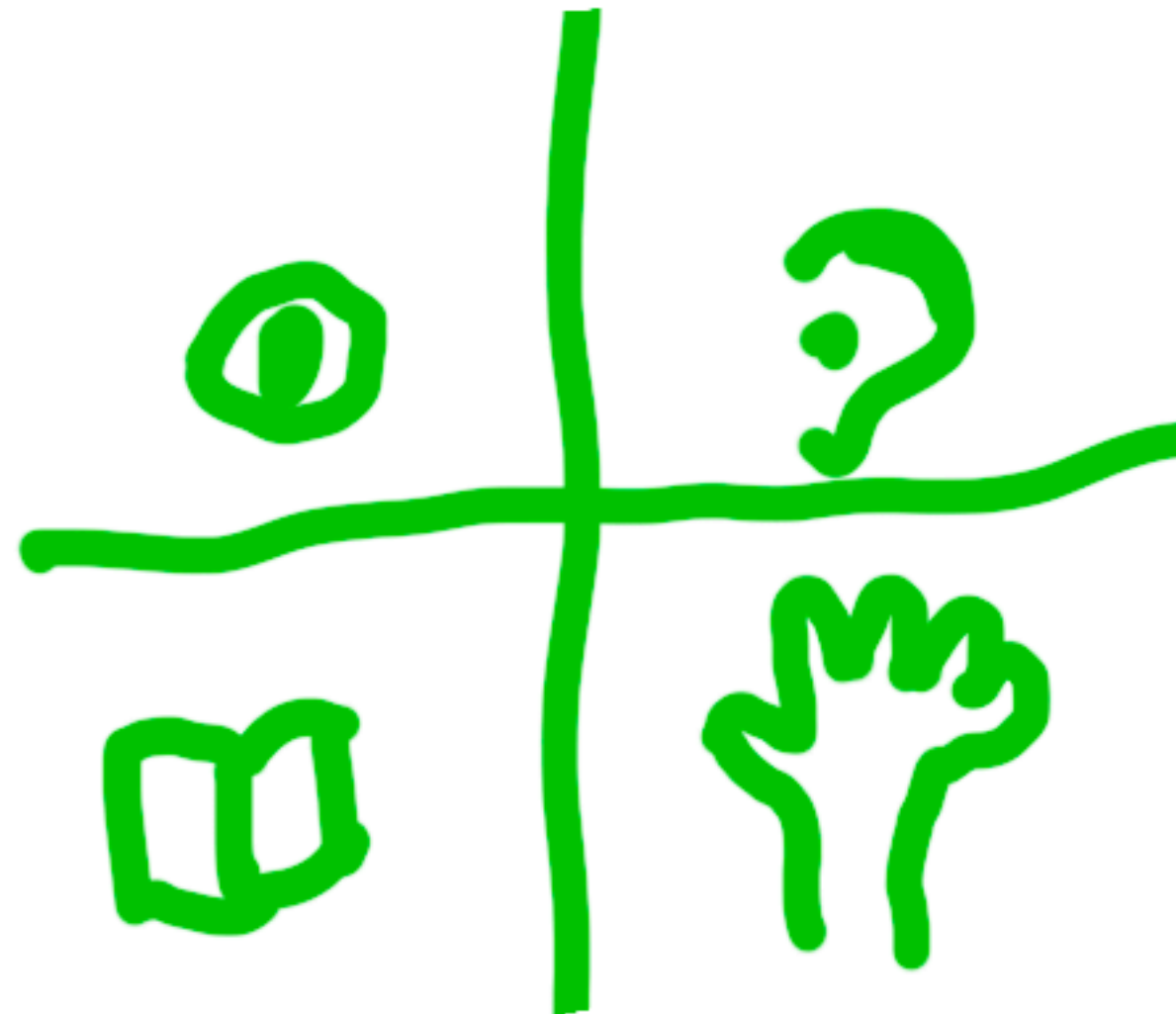
is in the progress!



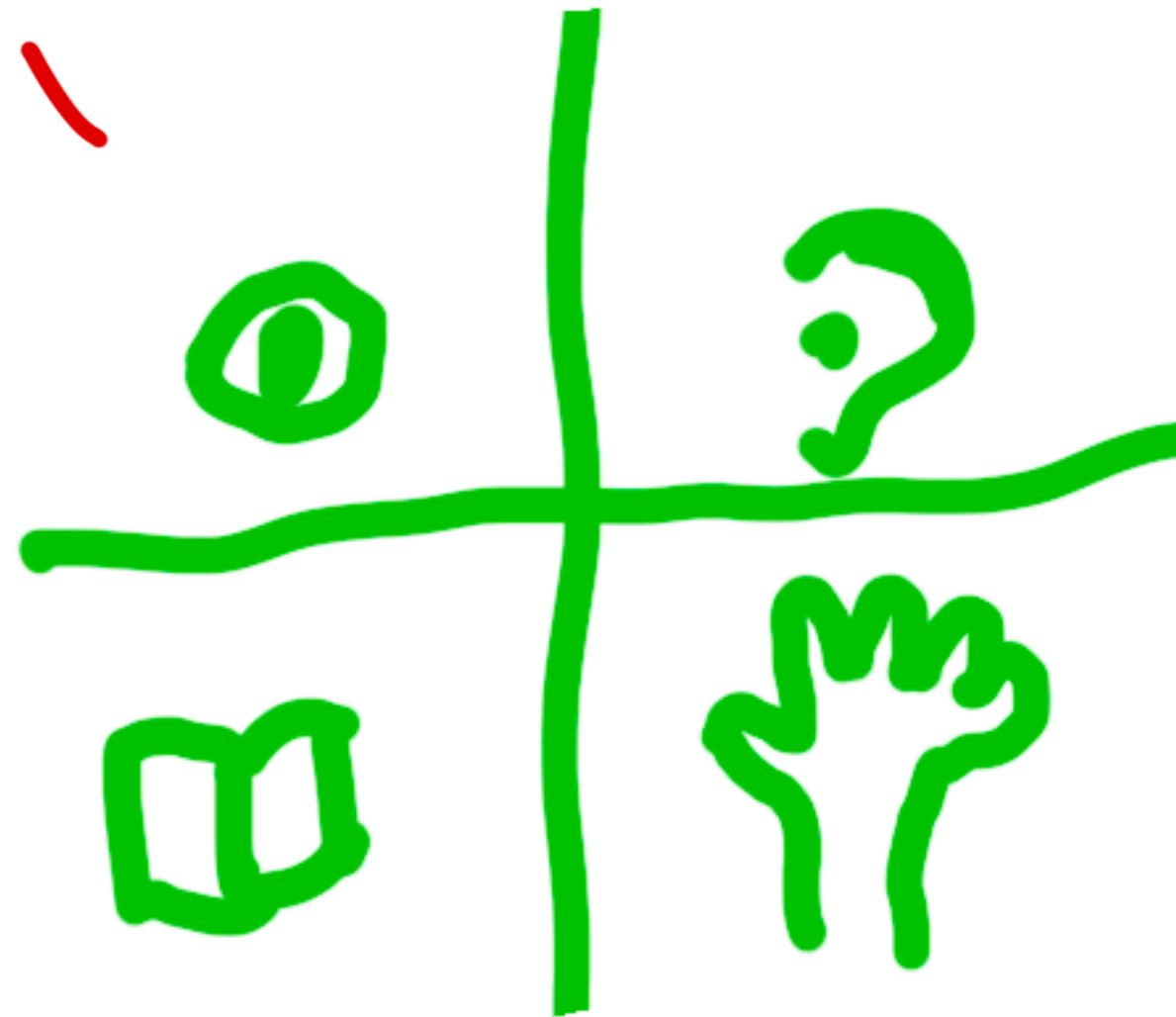
@wiggitywhitney

@mattstratton

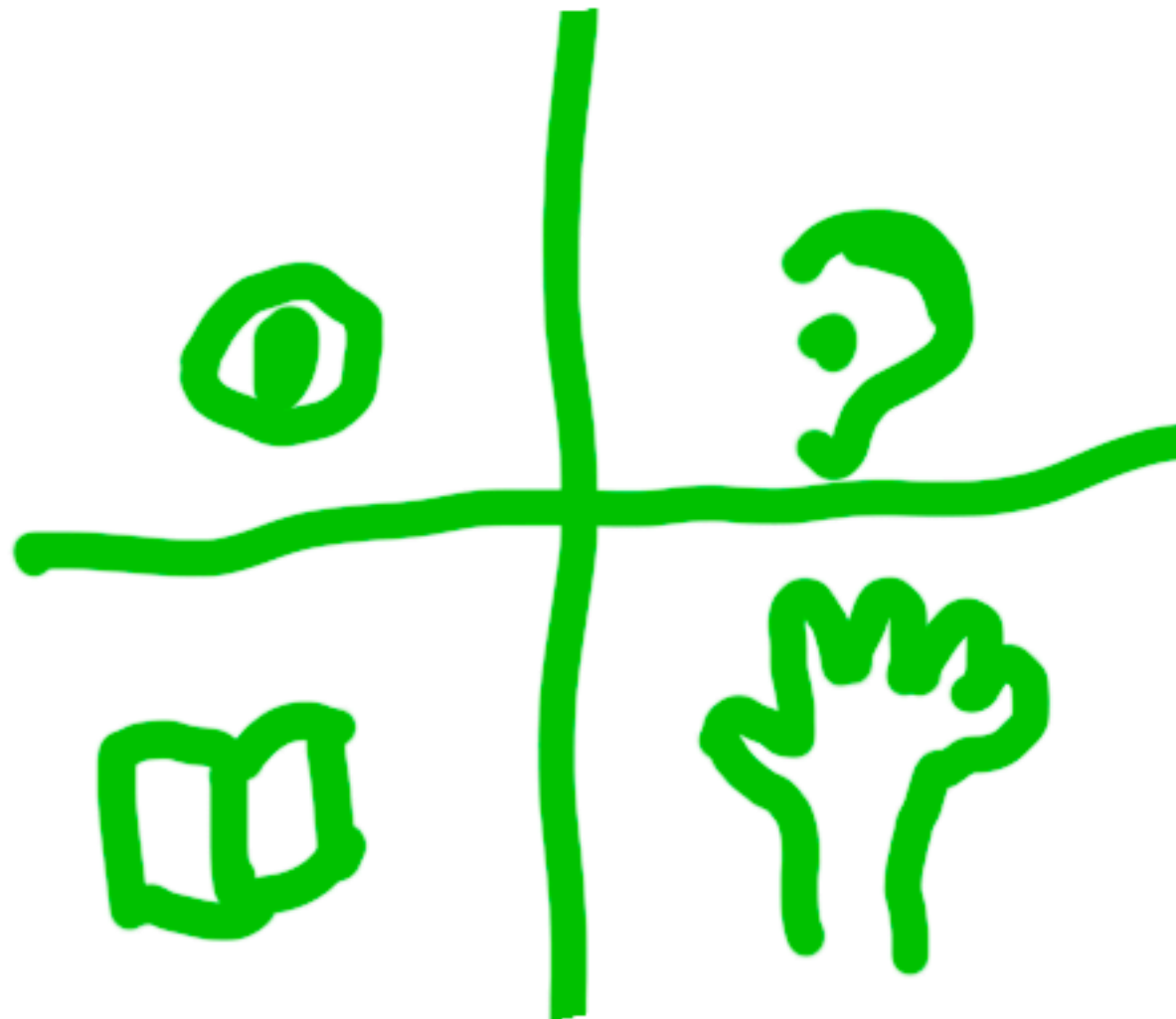
QUESTIONS FOR YOU



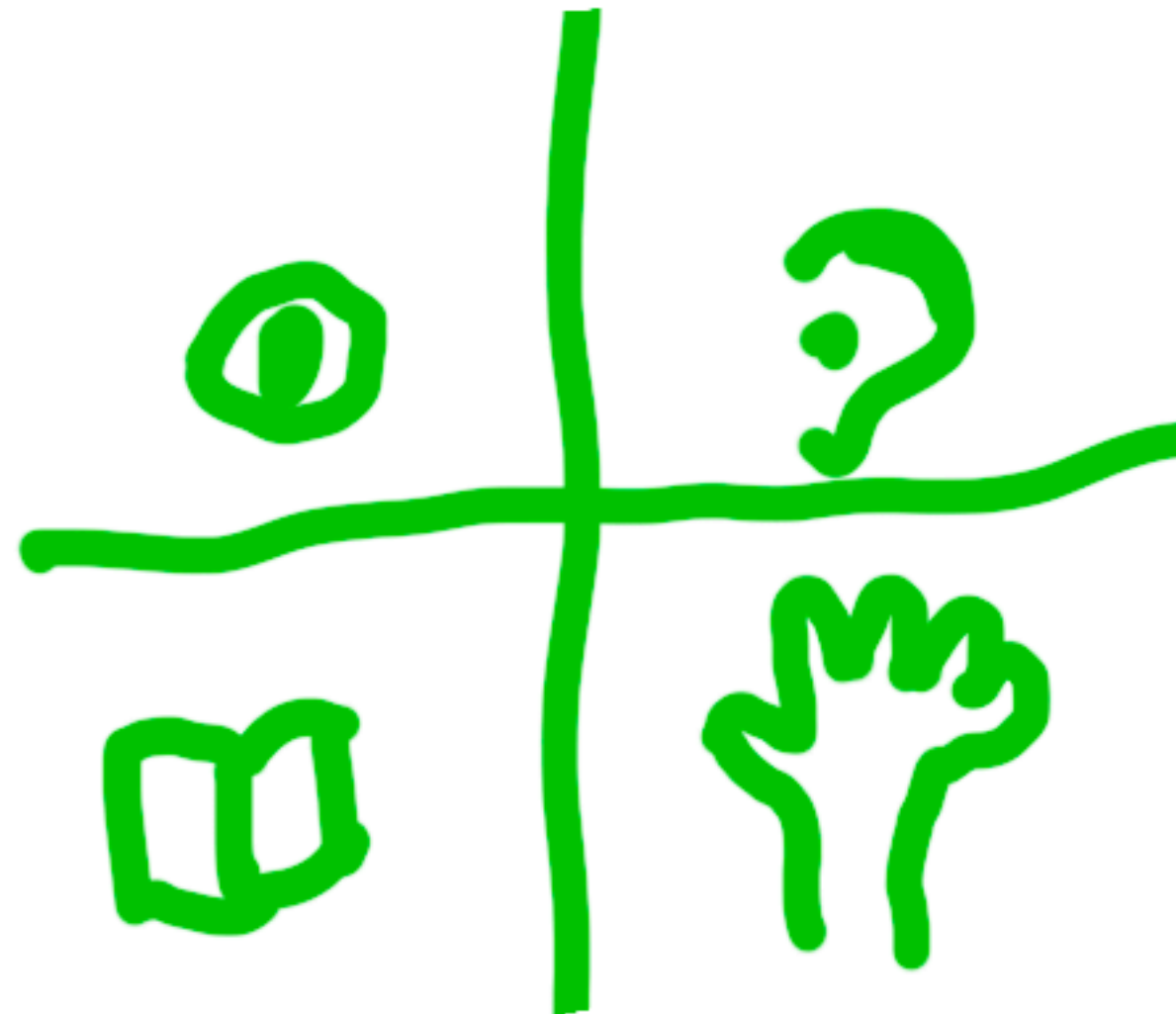
QUESTIONS FOR YOU



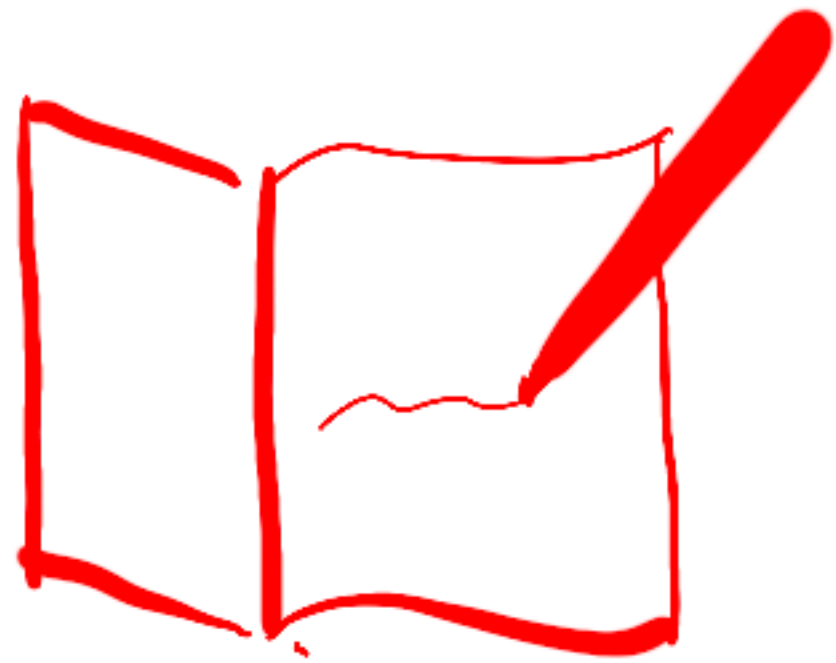
QUESTIONS FOR YOU



QUESTIONS FOR YOU



visual



reading / writing

@wiggitywhitney

auditory

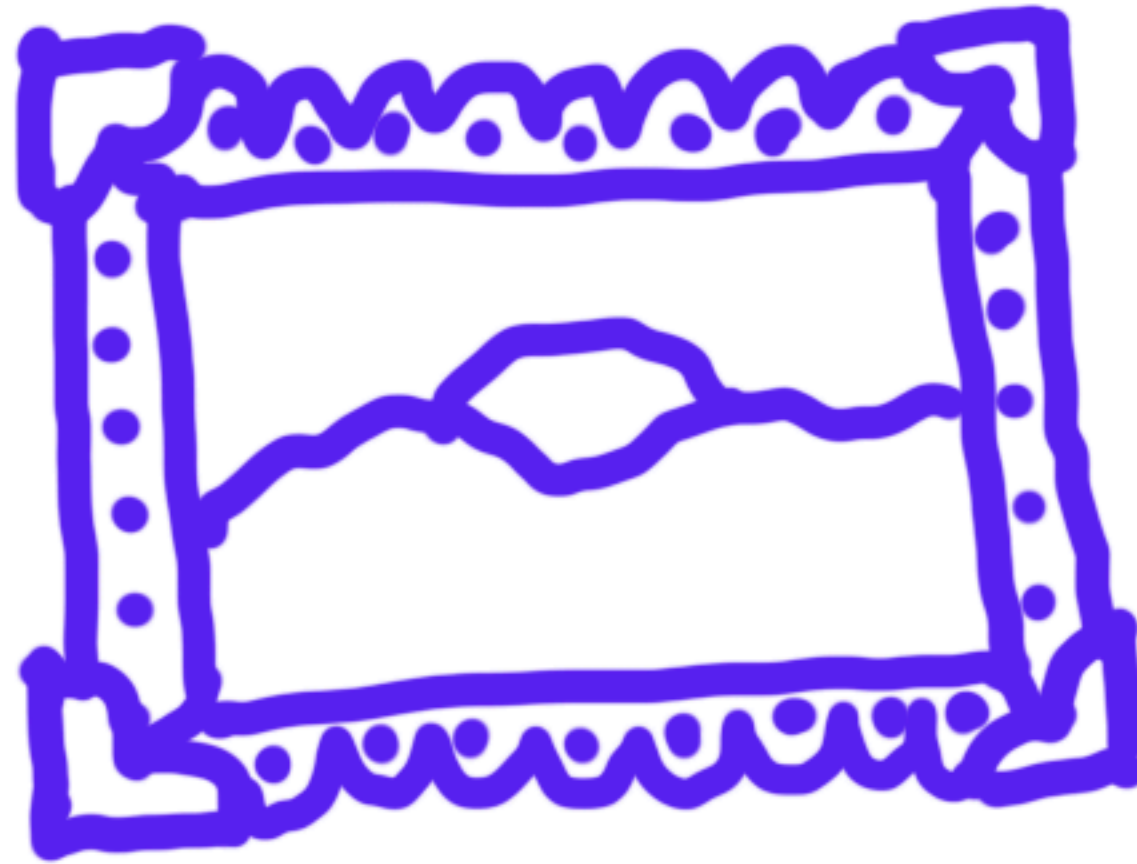


kinesthetic

@mattstratton

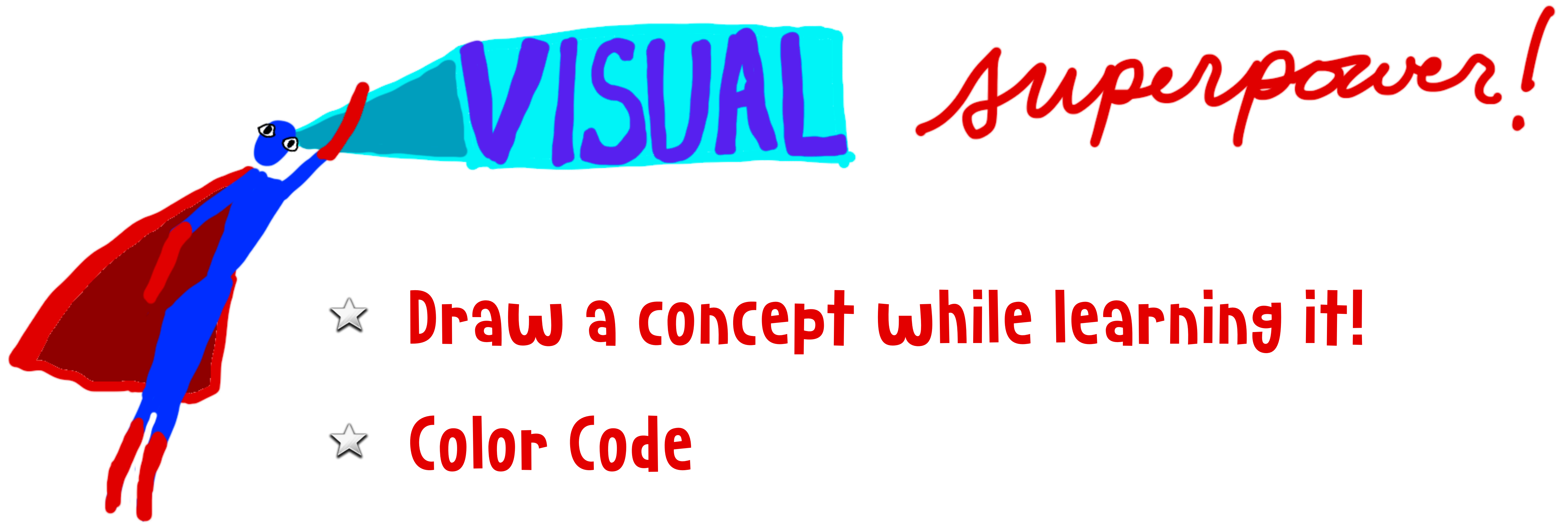
how do you
like to learn?

visual



@wiggitywhitney

@mattstratton



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

auditory



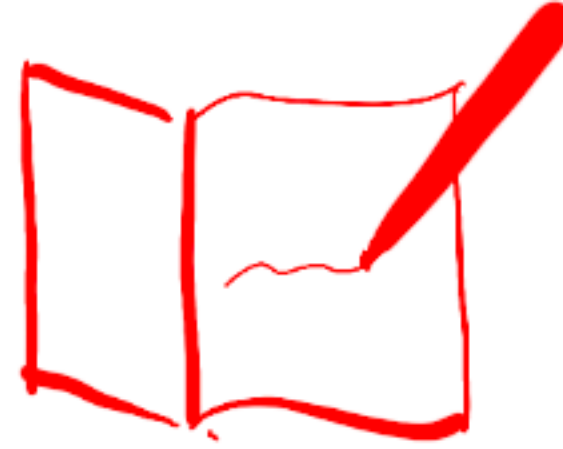
@wiggitywhitney

@mattstratton

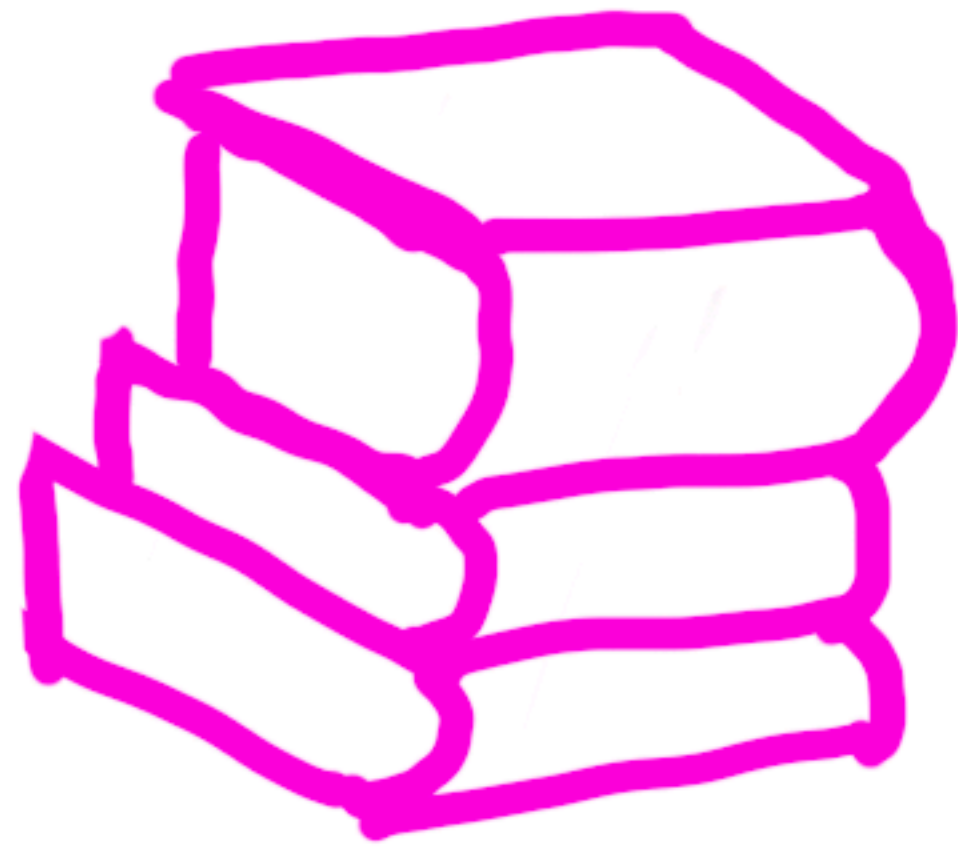


AUDITORY *superpower!*

- ★ 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

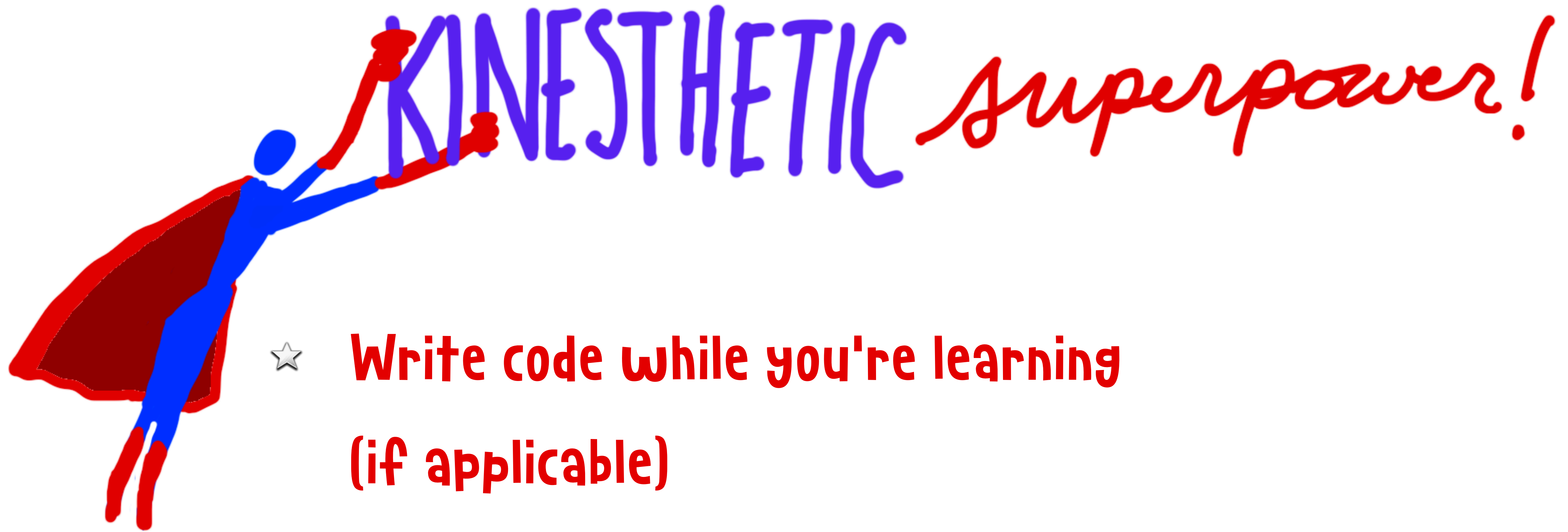


kinesthetic



@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



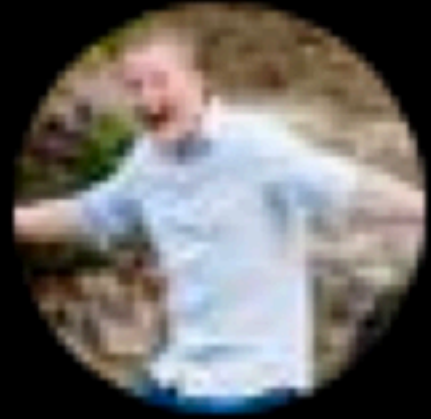
Replying to @mattstratton and @wiggitywhitney

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



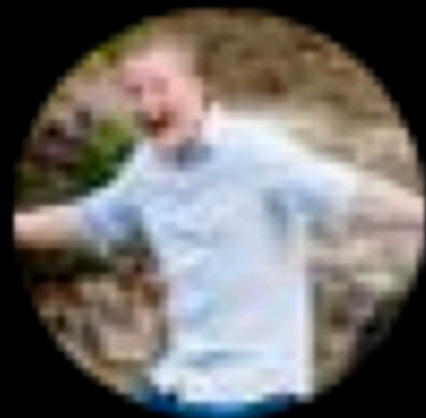
Replying to [@mattstratton](#) [@DivineOps](#) and [@wiggitywhitney](#)

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

I still think it's a bunch of smoke, mirrors, and a man
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OK! Also, I still don't know it. Send help.

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/>

⚡ 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>