

Mari Kermit-Canfield Gary R. Maixner III





#### Mari's favorite games...

- Qwirkle
- Scrabble
- The Hollow Woods
- Spite & Malice
- Photosynthesis

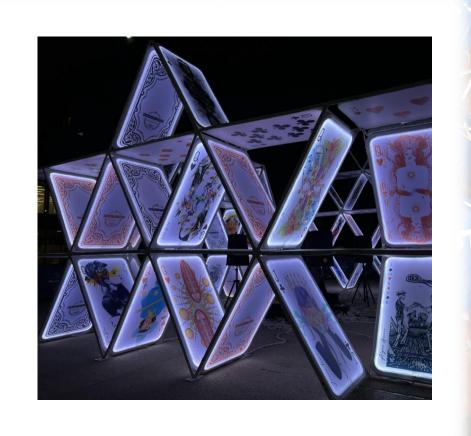


#### Gary's favorite games...

- Malifaux
- Bloodborne
- Binding of Isaac
- Moonrakers
- Donkey Kong '94



It's not about games, it's about the experience



# **ACTIVITY TIME!**



What separates a game from an activity?



Genlab, Frank. (2010). Curling. [Photograph]. Retrieved from Flickr Evans, Bryan. (2017). Clean sweep. [Photograph]. Retrieved from Flickr

# ASPECTS THAT MAKE AN ACTIVITY A GAME A goal, win condition, or problem to solve Decisions to make that affect game outcomes Artificial limitations on what a player can do (rules) Internal Stakes (maybe?)

## Gamification

# Game Based-learning





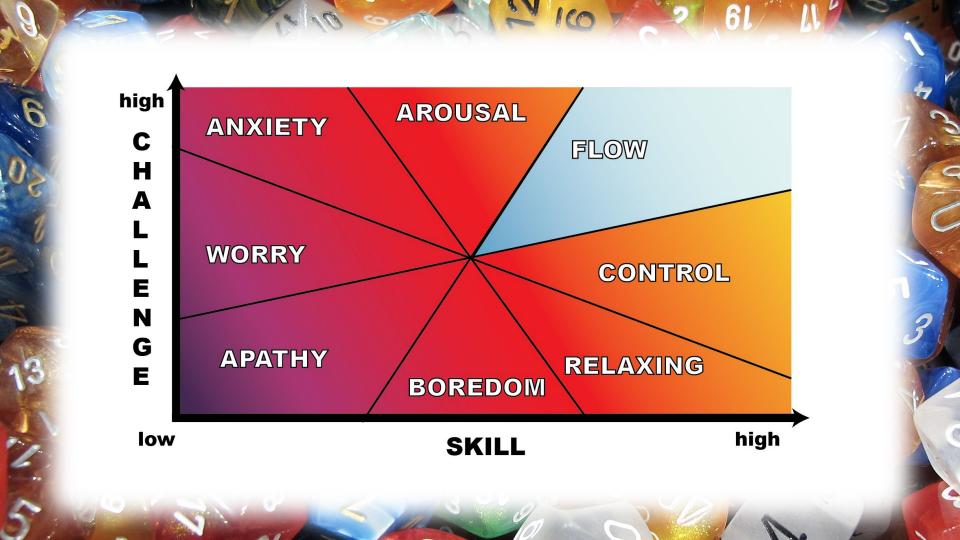
Edwards, Amanda. (2010). "Jeopardy!" Million Dollar Celebrity Invitational Tournament Show Taping. [Photograph]. Retrieved from gettyImages Boristhefrog. (2009). Crazy hordes of things game. [Photograph]. Retrieved from Flickr

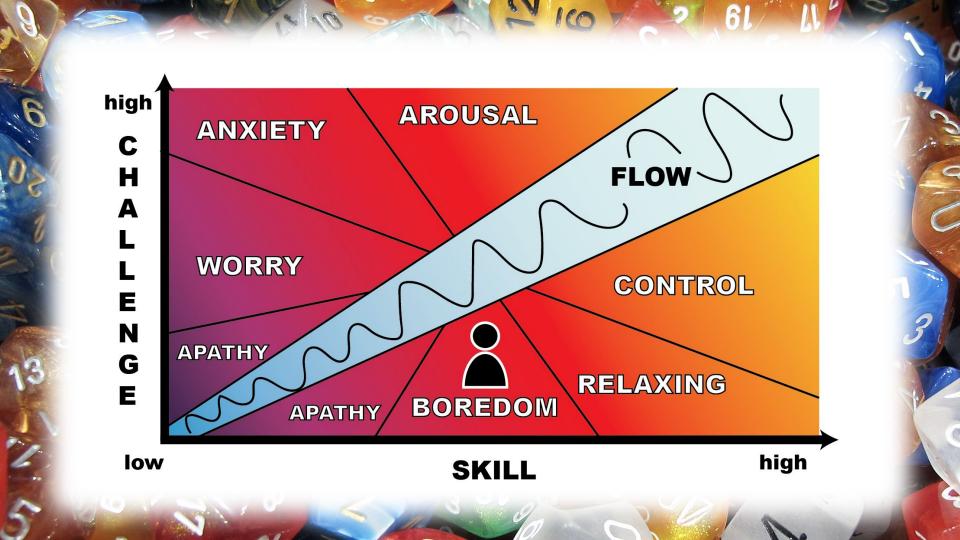


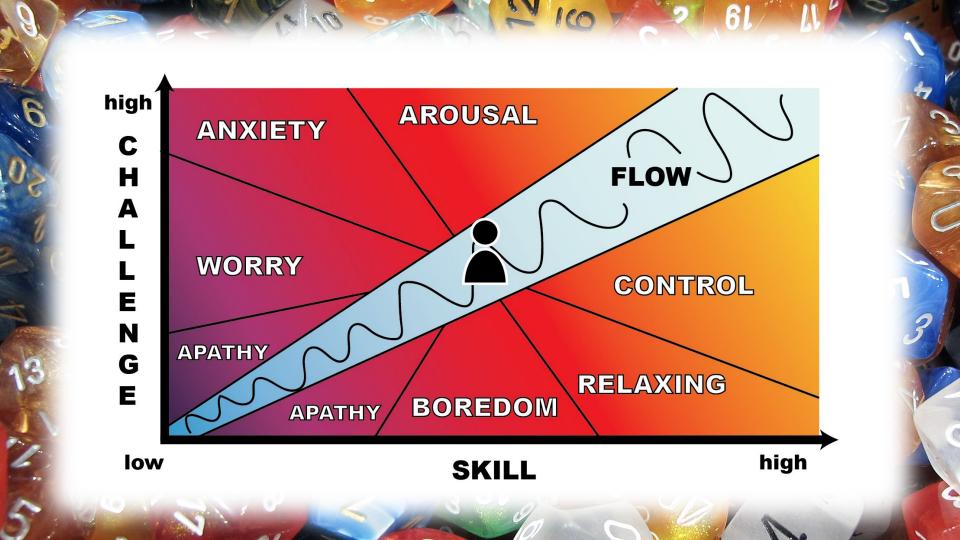




TED. (2008). Flow, the secret to happiness. [screen capture]. Retrieved from YouTube

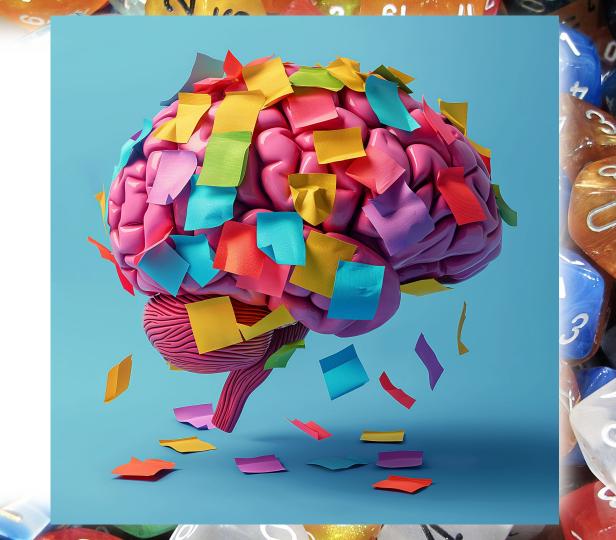






# Dopamine and Memory

- Areas related to the brain's dopaminergic reward system are more active during flow (Ulrich et al., 2014, 2016)
- Problem solving leads to dopamine release.
- Positive experiences during flow state coupled with dopamine release = remembered successes.



## Audience and Player Experience: Control to Chaos



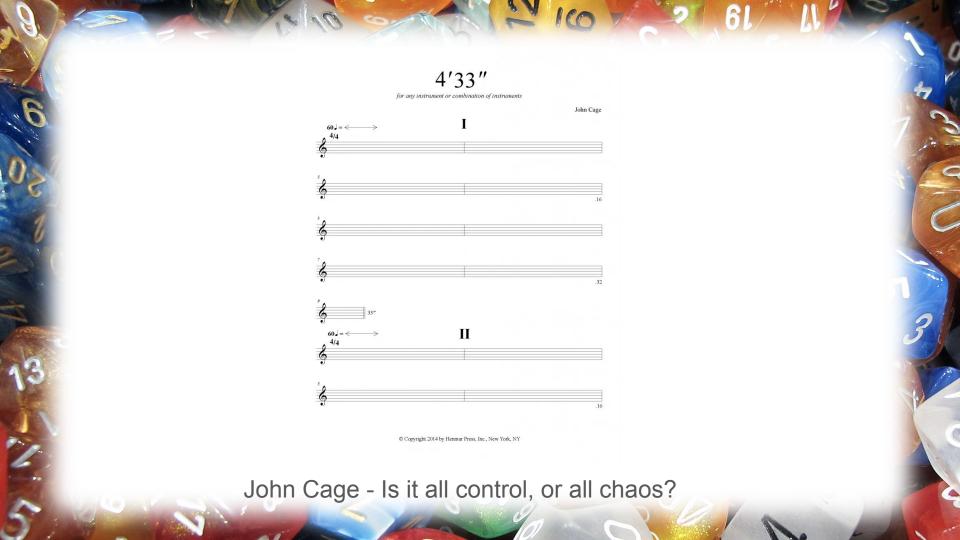
https://flic.kr/p/dPgH7C

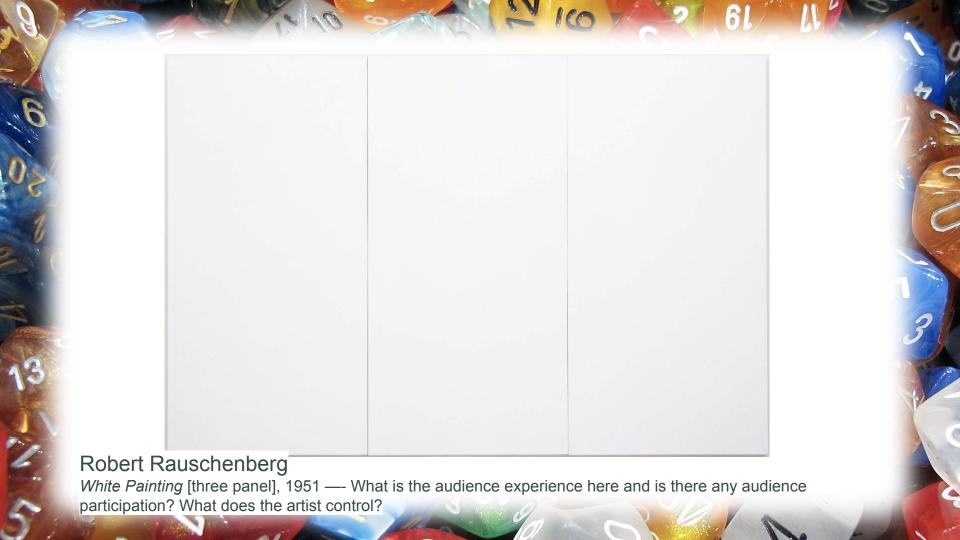


Mozart - control



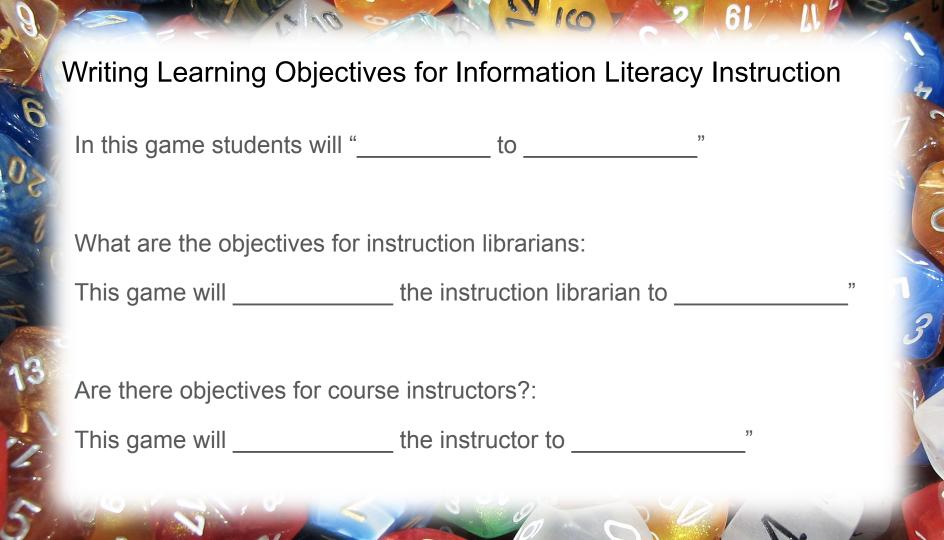
Steve Reich - controlled chaos



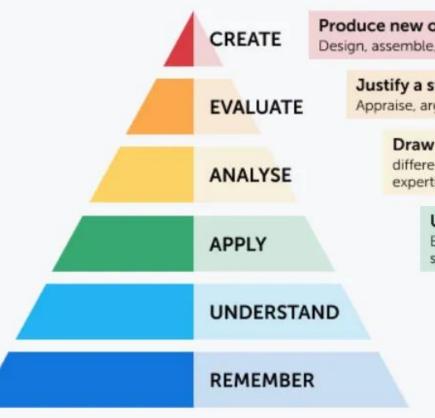


<u>Aleatoric Art</u> - an element of uncertainty is intentionally incorporated into the concept and creation of a work.

# Can you think of other examples of this practice?



## Bloom's Taxonomy



#### Produce new or original work

Design, assemble, construct, conjecture, develop, formulate, author, investigate

#### Justify a stand or decision

Appraise, argue, defend, judge, select, support, value, critique, weigh

#### Draw connections among ideas

differentiate, organise, relate, compare, contrast, distinguish, examine, expertiment, question, test

#### Use information in new situation

Execute, implement, solve, use, demonstrate, interpret, operate, schedule, sketch

#### Explain ideas or concepts

Classify, discribe, discuss, explain, identify, locate, recognize, report, select, translate

#### Recall facts and basic concepts

define duplicate, list, memorise, repeat, state

Table 25.1 Verbs for Use in Writing Learning Objectives **Evaluation** Knowledge Comprehension Application **Analysis** Synthesis cite associate administer analyze adapt appraise collect classify apply arrange assemble argue calculate breakdown collaborate copy convert assess define describe change categorize combine conclude describe differentiate chart classify compile convince duplicate discuss choose criticize compare compose enumerate distinguish collect connect concoct decide identify estimate deduce compute contrast construct label explain correlate contrive defend construct list determine express demonstrate detect create match extend determine diagram design discriminate memorize group develop differentiate develop infer identify discover discriminate devise interpret name order indicate employ dissect formulate judge quote order establish distinguish generalize iustify divide recall paraphrase examine generate persuade prioritize recognize predict exhibit examine hypothesize record report illustrate experiment imagine rate recount restate interview incorporate rank group relate retell identify integrate manipulate recommend repeat review modify illustrate invent relate reproduce modify select operate inspect revise show summarize practice interpret organize score specify translate predicts investigate originate support state understand order prepare plan value tabulate organize predict produce validate tell relate produce outline when probe report propose what schedule question reconstruct where show relate reorganize who sketch select revise solve separate speculate transfer survey systematize

test

use



- Deck Building
- Bidding
- Area Control
- Piece Capture
- Exploding Dice
- Race
- Realtime
- WorkerPlacement

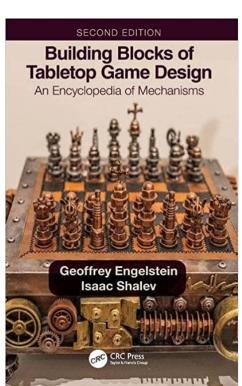




 Table 25.1 Verbs for Use in Writing Learning Objectives

Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
cite	associate	administer	analyze	adapt	appraise
collect	classify	apply	arrange	assemble	argue
copy	convert	calculate	breakdown	collaborate	assess
define	describe	change	categorize	combine	conclude
describe	differentiate	chart	classify	compile	convince
duplicate	discuss	choose	compare	compose	criticize
enumerate	distinguish	collect	connect	concoct	decide
identify	estimate	compute	contrast	construct	deduce
label	explain	construct	correlate	contrive	defend
list	express	demonstrate	detect	create	determine
match	extend	determine	diagram	design	discriminate
memorize	group	develop	differentiate	develop	infer
name	identify	discover	discriminate	devise	interpret
order	indicate	employ	dissect	formulate	judge
quote	order	establish	distinguish	generalize	justify
recall	paraphrase	examine	divide	generate	persuade
recognize	predict	exhibit	examine	hypothesize	prioritize
record	report	illustrate	experiment	imagine	rate
recount	restate	interview	group	incorporate	rank
relate	retell	manipulate	identify	integrate	recommend
repeat	review	modify	illustrate	invent	relate
reproduce	select	operate	inspect	modify	revise
show	summarize	practice	interpret	organize	score
specify	translate	predicts	investigate	originate	support
state	understand	prepare	order	plan	value
tabulate		produce	organize	predict	validate
tell		relate	outline	produce	
when		report	probe	propose	
what		schedule	question	reconstruct	
where		show	relate	reorganize	
who		sketch	select	revise	
		solve	separate	speculate	
		transfer	survey	systematize	
		use	test		

Pair your Learning
Objectives with Game
Mechanics:

Students will IDENTIFY parts of a citation.

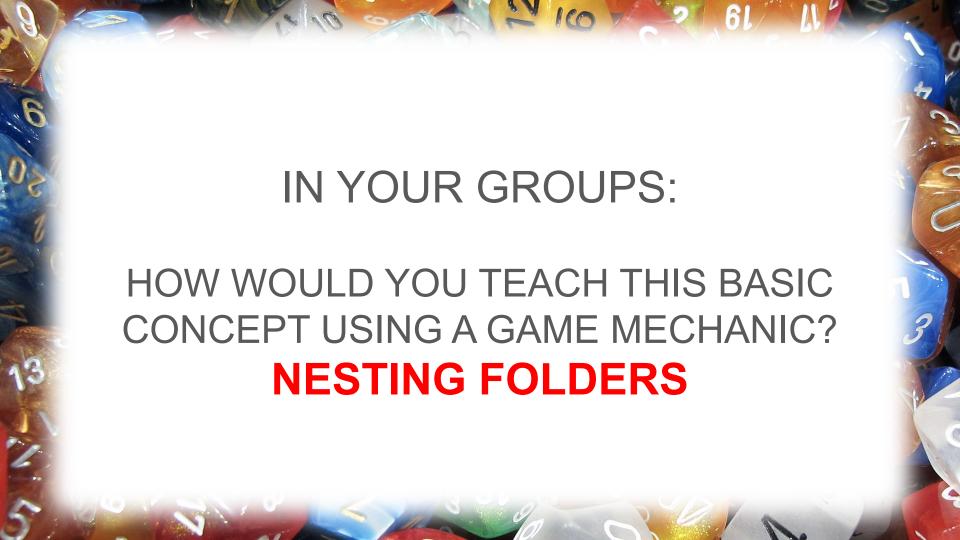
- Knowledge

Students will CONSTRUCT a citation.

- Application







# Winning a Game/Losing a Game

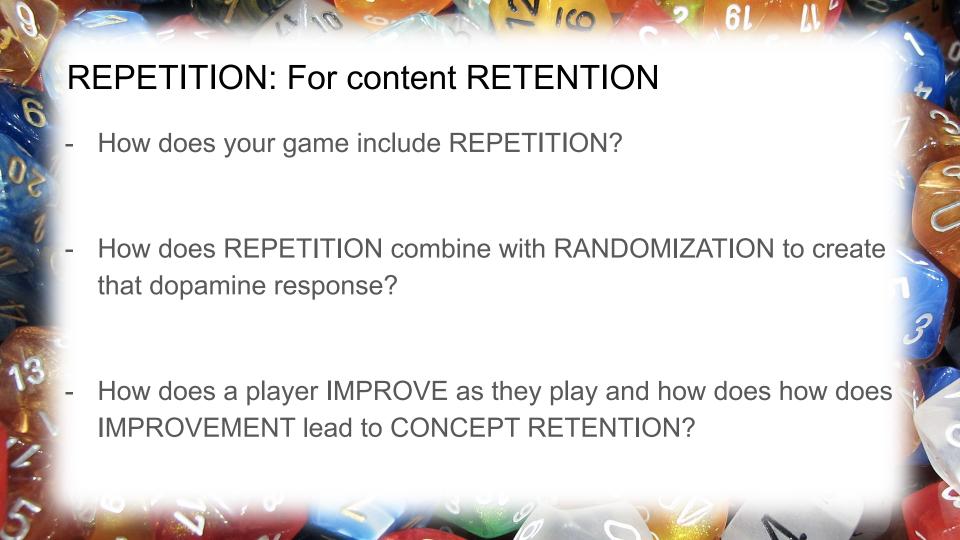


slgckgc. (2012). Race Medals. [Photograph]. Retrieved from Flickr

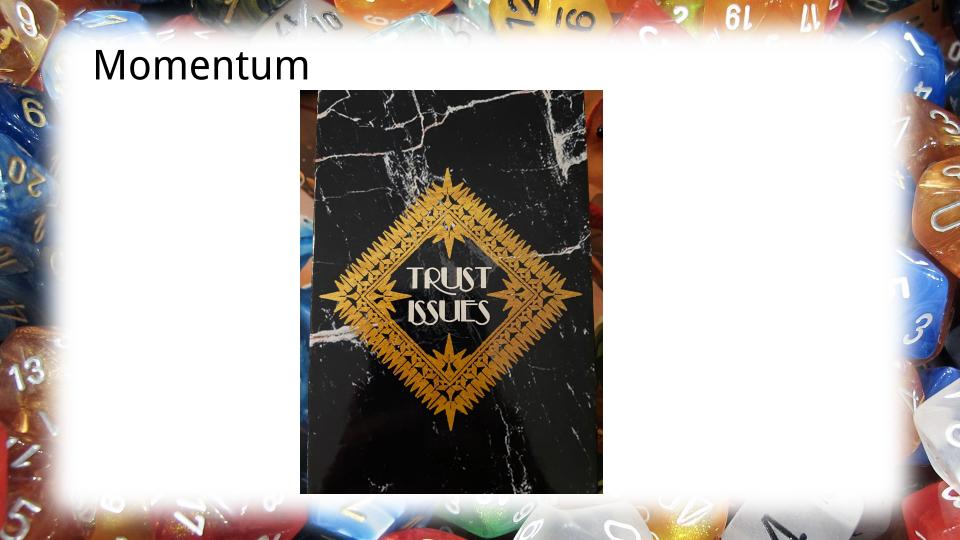
# **CHAOS:** Randomize for Replayability



Rivola, Andrea. (2024). Mushroom Dice Set for DnD. [Photograph]. Retrieved from Printerval Ultimate Marked Set. [Photograph]. Retrieved from Amazon
Twice, Erik. (2022). Vagrantsong Ghost Boss. [Photograph]. Retrieved from ErikTwice

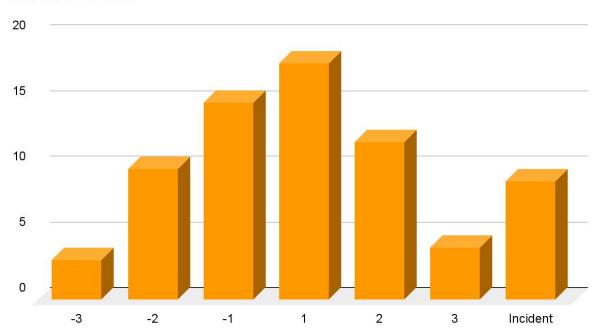


# **Card Maths** Ian Dikhtiar / EyeEm / Getty Images



# Momentum pt. 岁

#### Cards in Deck



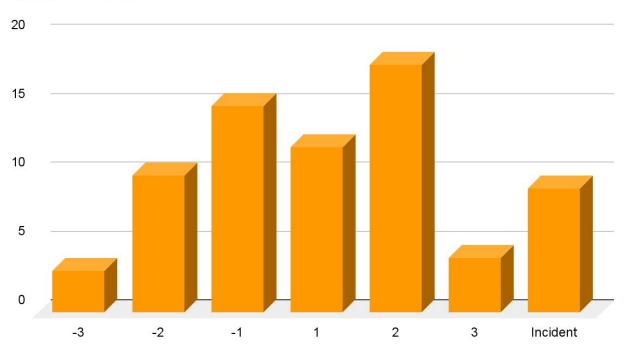
Positive cards 48%

Negative Cards 40%

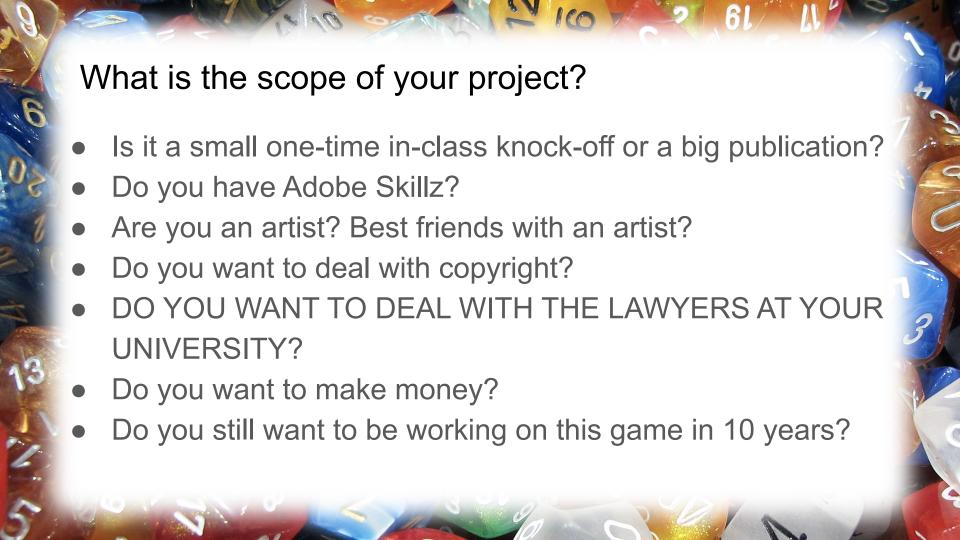
Incident Cards 12%

# Momentum pt. 🤟









# What is the FEEL of your game? What place do your players occupy?









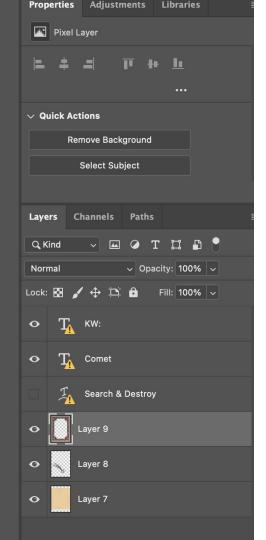
All images created by Mari.... uh, Midjourney.

## Make a manageable production process:



By User: Anonyme - Own work, CC BY 2.5, https://commons.wikimedia.org/w/index.php?curid=1987247





	Search&Destroy - Mari stuff					
w	2021 rules update document.docx					
>	2021 Updates					
	Search&Destroy Postcard 2019 Update.pdf					
	search and destroy postcards full page front 2019 update.pdf					
	search and destroy postcards full page front w website url.pdf					
>	source pictures					
>	Search and Destroy - Gary Edits					
> 🗀	> Backs and Singles PSDs					
V 🗎	KW PSDs					
	blank_keyword.psd					
	Search and Destroy - volcano front.psd					
	Search and Destroy - KW- Night.psd					
	Search and Destroy - KW- Knight.psd					
	Search and Destroy - KW Zombie front.psd					
	Search and Destroy - KW yacht front.psd					
	Search and Destroy - KW Volcano front.psd					
	Search and Destroy - KW Treasure front.psd					





#### **GAME CONCEPT/THEME**

What is the game about?

### **VICTORY CONDITION**

How do you win?

### **MECHANICS**

How do you play?

#### **DETAILS**

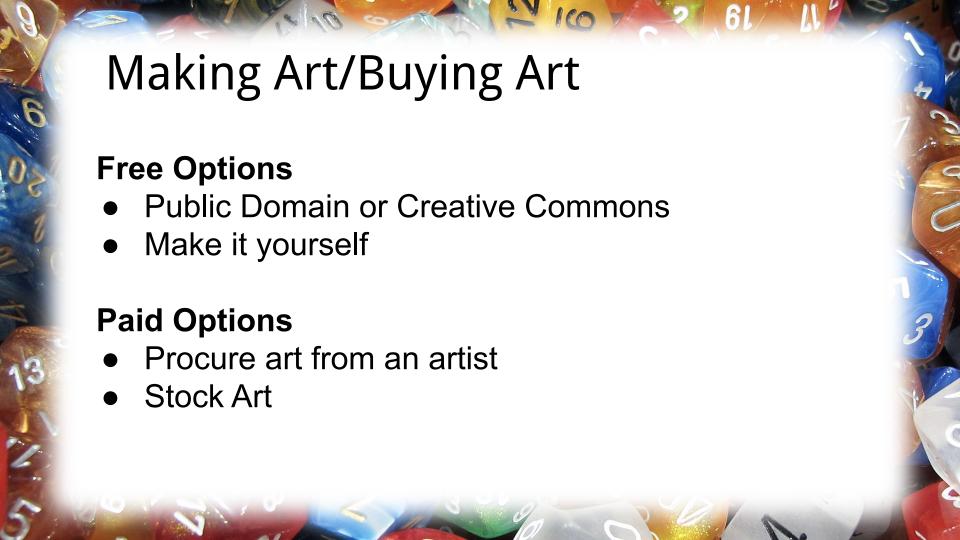
What else do I need to know

edpmarriott. (2014). Teaching Pyramid. [Illustration]. Retrieved from Boards and Barley

# Playtest your Rules!

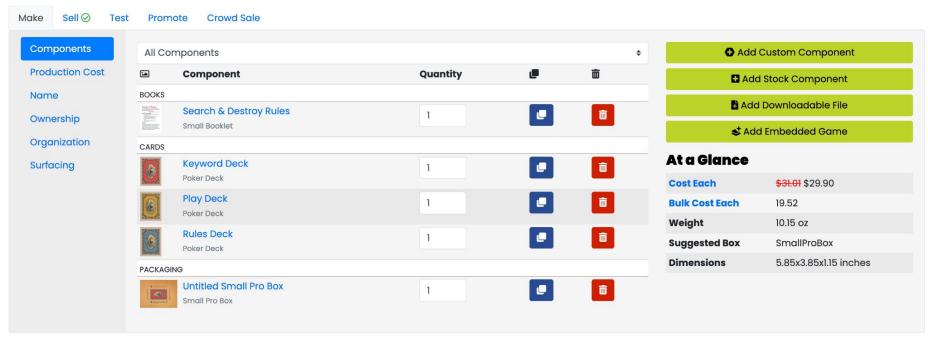


Follow the Rules. [Photograph]. Retrieved from New Beginnings Sanctuary



Calculate Your Production Costs: What are your goals? What can your audience afford? Is this for a class? How many copies will a classroom need? How big is your box? Do you have a game board (\$\$\$\$)? What size are your cards? How many of them are there? What cardstock and finish did you choose? How big is your rulebook and how many pages are there? Can your students swallow your game pieces (jk)? Can you go for ADA compliance?

## Search&Destroy



## Search&Destroy

**¥** \$29.90

Make	Sell ⊘	Test	Promote	Crowd Sale						
	Components  Production Cost  Name  Ownership  Organization		2	Component	Quantity	Sheets	Slugs	Cost (1)	Weight	Size
			2	Small Pro Box	1	1		\$7.10	1.25	
			2	Small Booklet	4	1		\$2.30	0.06	
Surfa			2	Poker Deck	128	8		\$20.72	8.62	
			2	* Fee(s)	1			\$0.89	0.22	
			Subtotal Game Cost					\$31.01		
			Designer Rewards Manufacturing Discount					\$1.11		
			Total Game Cost					29.90		

# Online Printing Services

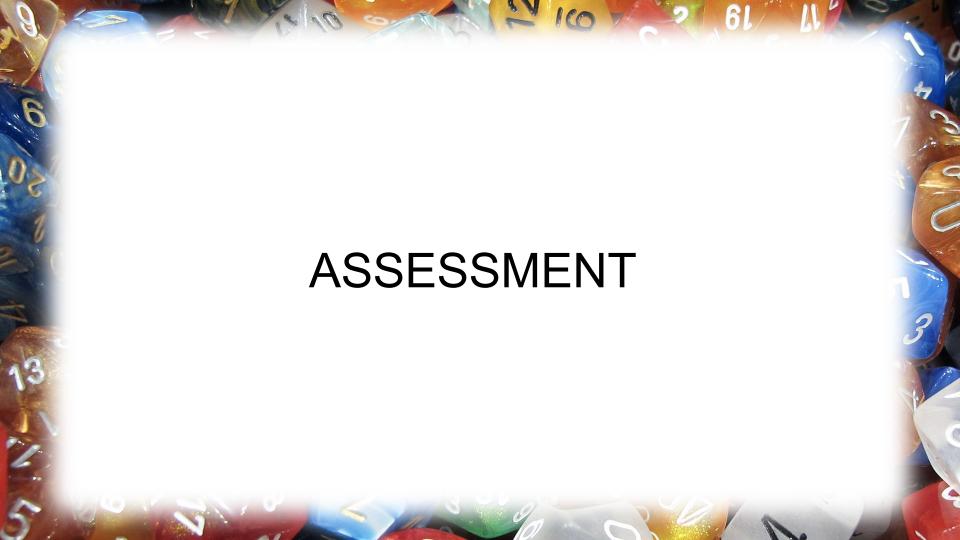


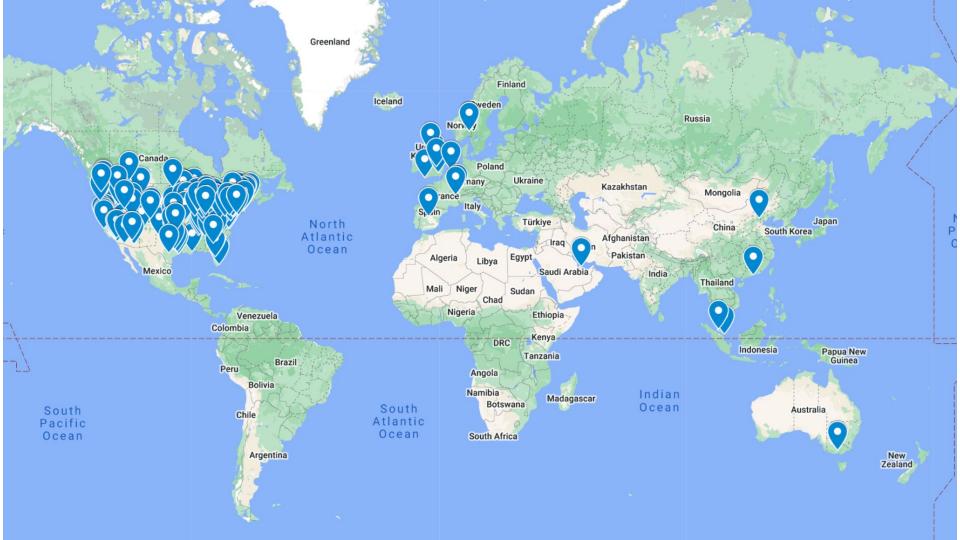




- Sell a printed version
  - Game Crafter has a store front
- Sell print-on-demand
  - Drivethrurpg
- Provide free print on demand







## **Contact Us!**

Mari Kermit-Canfield kermitt@ferris.edu

Gary R. Maixner III <a href="maixner@iu.edu">gmaixner@iu.edu</a>

wunderkind-games.com

Background Image

CarrieLu. (2010). Dice. [Photograph]. Retrieved from Flickr

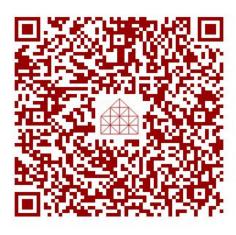




# **QR** Codes



Preso Slides!



Printable Handout



Game Ordering