

A Maker-Approach to Creating and Manufacturing Tabletop (Word) Games

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Portland, OR

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PIJIN

the spelling game of the spoken word





Pijin: Flock, talk & unlock the sensory puzzles of speech

by Travis Feldman

Phonetic Scrabble meets Apples-to-Apples! Pijin is an exciting game of quick-witted phonetic spelling & word associations!

📍 Portland, OR

Successfully funded!

115%

\$17,233 Funded

funded

pledged

Mar 17, 2014



- 1. Spell What You Hear (Your Experience MATTERS)**
- 2. Assess Each Move in Game Play as a Group (No “Experts” or External Lists)**
- 3. Use Cool Materials (No cheap stuff)**
- 4. Allow for Game Variants / Hacks (Modular System)**

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		t̪ d̪	c j	k g	q G		?
Nasal	m	m̪		n		n̪	j̪	ŋ	N		
Trill	B			r					R		
Tap or Flap		v̪		r̪		r̪					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ɟ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɭ								
Approximant		v̞		ɹ̞		ɻ̞	ɺ̞	ɻ̞	ɻ̞		
Lateral approximant			l̞		ɻ̞	ɺ̞	ɻ̞	ɻ̞	ɻ̞		

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
ʘ Bilabial	b̚ Bilabial	,
Dental	d̚ Dental/alveolar	Examples: p̚ Bilabial
! (Post)alveolar	f̚ Palatal	t̚ Dental/alveolar
ǂ Palatoalveolar	g̚ Velar	k̚ Velar
Alveolar lateral	g̚ Uvular	s̚ Alveolar fricative

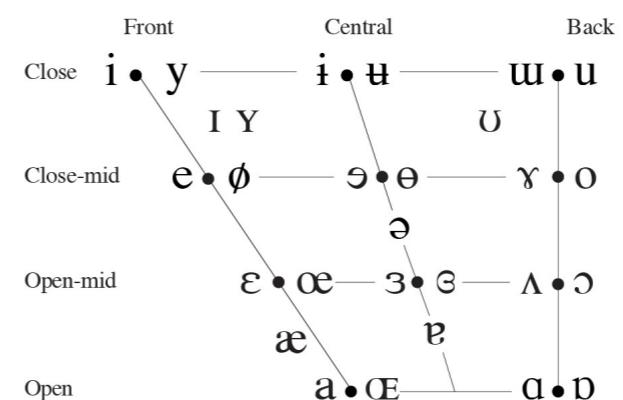
OTHER SYMBOLS

ʍ	Voiceless labial-velar fricative	ç z	Alveolo-palatal fricatives
w	Voiced labial-velar approximant	l̚	Voiced alveolar lateral flap
ɥ	Voiced labial-palatal approximant	ʃ x	Simultaneous ʃ and x
h	Voiceless epiglottal fricative		
ɸ	Voiced epiglottal fricative		Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
χ	Epiglottal plosive		

DIACRITICS Diacritics may be placed above a symbol with a descender, e.g. ḥ

o Voiceless	n̚ d̚	.. Breathy voiced	b̚ a̚	▫ Dental	t̚ d̚
χ Voiced	s̚ t̚	~ Creaky voiced	b̚ a̚	▫ Apical	t̚ d̚
h Aspirated	t̚ h̚ d̚ h̚	~ Lingualabial	t̚ d̚	▫ Laminal	t̚ d̚
,	ɔ̚	w Labialized	t̚ w̚ d̚ w̚	~ Nasalized	ẽ
c Less rounded	ɔ̚	j Palatalized	t̚ j̚ d̚ j̚	▫ Nasal release	d̚ n̚
+	u̚	y Velarized	t̚ y̚ d̚ y̚	˥ Lateral release	d̚ l̚
- Retracted	e̚	᷇ Pharyngealized	t̚ ᷇̚ d̚ ᷇̚	˥ No audible release	d̚
.. Centralized	ɛ̚	~ Velarized or pharyngealized	᷇		
×	ɛ̚	▫ Raised	ɛ̚	(᷇ = voiced alveolar fricative)	
՚ Syllabic	n̚	▫ Lowered	ɛ̚	(᷇ = voiced bilabial approximant)	
՞ Non-syllabic	ɛ̚	▫ Advanced Tongue Root	ɛ̚		
՞ Rhoticity	ɑ̚	▫ Retracted Tongue Root	ɛ̚		

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

SUPRASEGMENTALS

‘ Primary stress
‘ Secondary stress
‘ founə'tɪʃən
‘ Long
‘ eɪ
‘ Half-long
‘ ē
‘ Extra-short
‘ ē
‘ Minor (foot) group
‘ Major (intonation) group
‘ Syllable break rɪ.ækt
‘ Linking (absence of a break)

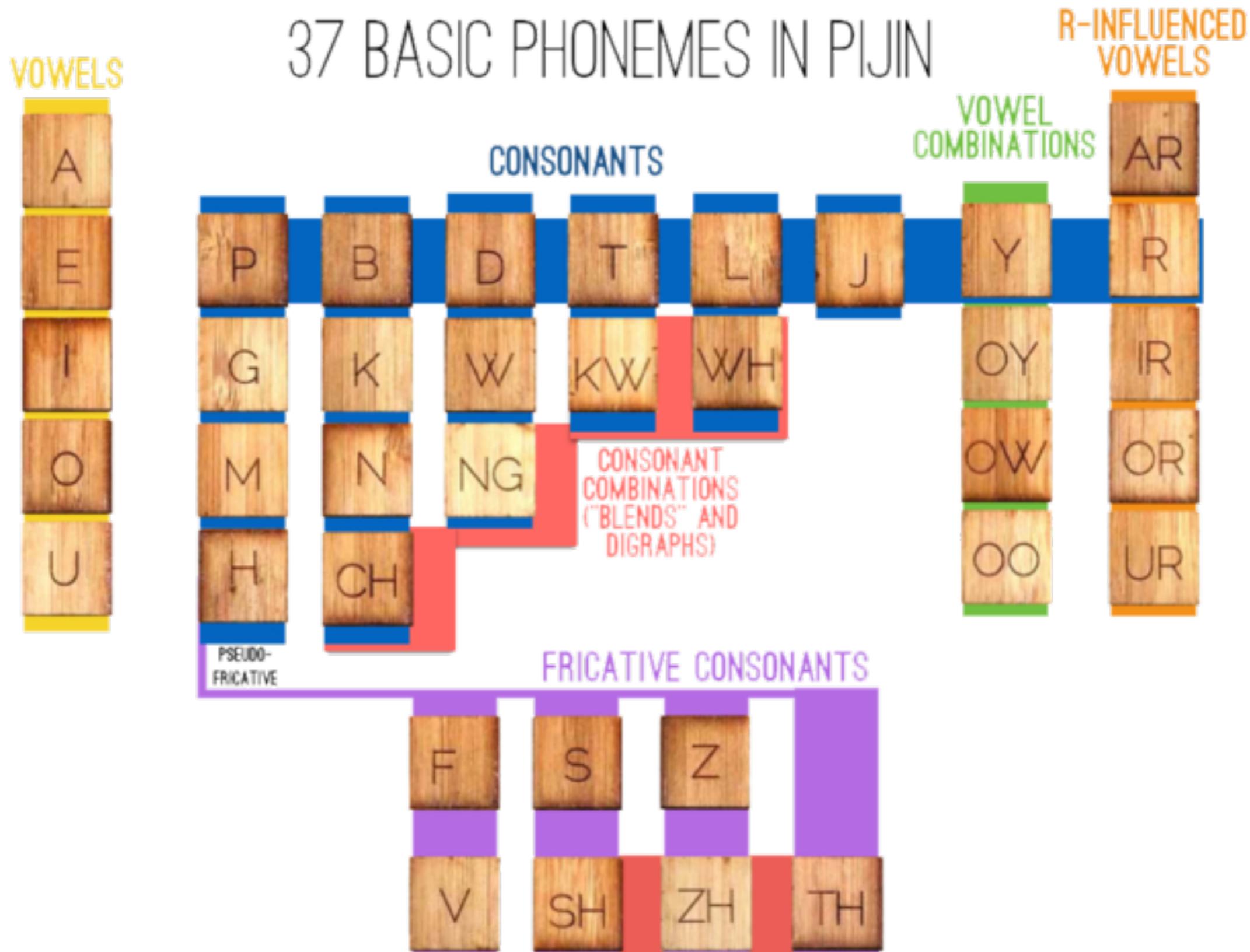
TONES AND WORD ACCENTS LEVEL CONTOUR

é or ˥ Extra high	ě or ↗ Rising
é ˥ High	ě ↘ Falling
ē ˧ Mid	é ˧ High rising
è ˨ Low	é ˨ Low rising
᷇ ˩ Extra low	᷇ ˩ Rising-falling
᷇ Downstep ↗ Global rise	
᷇ Upstep ↘ Global fall	



I HAVE NO
IDEA WHAT
I'M DOING

TABLE OF SPEECH ELEMENTS



playtesting (add more wine!)



ピジン



thwarts spellcheckers.

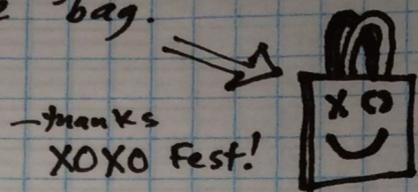






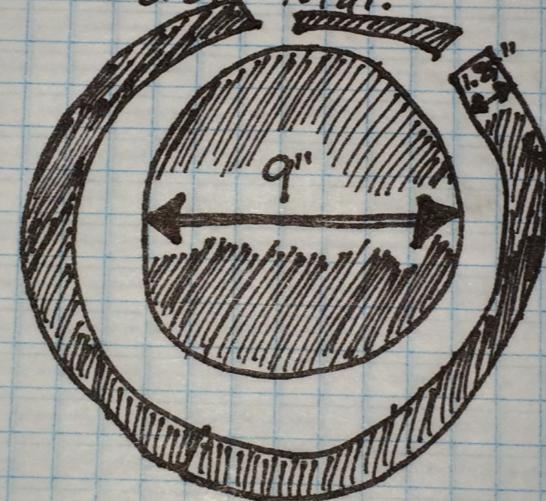
... making a circular, zippered
PIJIN GRABBAG:

material used = thin black poly/cotton. We recycled
from a tote bag.



purchased = one 6" nylon zipper.
I think it was a #3, but
I'm not positive — get something
"invisible" and thin.

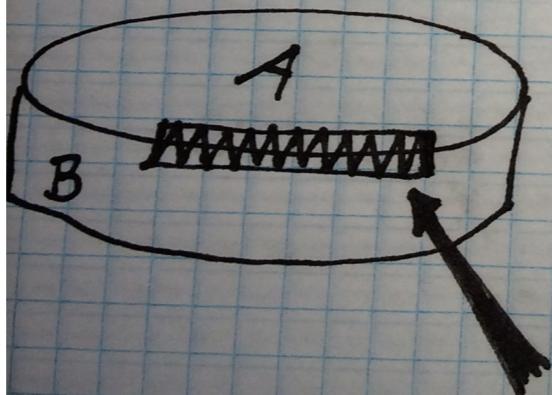
measurements = 9" circles for top and bottom,
1.25" band around, we used
three sections, approximately
28.25" total.



$$C = 2 \pi r$$

$$C = 2(3.14)(7.5)$$

$$C = 28.26 \therefore$$



Zipper goes here, binding A and B.

think like a programmer

ALIST - JANUARY 13

Line No	Description
	144 tiles total
1	P, J, O, B, K, E, M, N, Y, SH, NH, IR, KW,
2	A, UR, IR, O D, UR, CH
3	O, E, F, H, P, UR, Z, OR
4	A, O, E, F, H, P, UR, Z, OR
5	A, O, E, F, H, P, UR, Z, OR
6	A, O, E, F, H, P, UR, Z, OR
7	A, O, E, F, H, P, UR, Z, OR
8	A, O, E, F, H, P, UR, Z, OR
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110	A, O, E, F, H, P, UR, Z, OR
111	A, O, E, F, H, P, UR, Z, OR
112	A, O, E, F, H, P, UR, Z, OR

\$144.00

Total

1	2	3	4	5	6	7	8	9	10	11	12
A NG	A K	A K	A D	UR D	CH D	O D	J D	A E	B E	B E	K O
F F	H F	E F	UR G	L G	M H	UR E	CH E	G E	L E	IR E	AR E
I I	TH I	Y I	UR I	Z I	UR H	OO J	R IR	A OW	OW OW	OW OW	ZH OW
OR L	ZH L	UR L	T M	H M	E M	S N	UR N	A N	I N	IR O	R O
NG S	OO S	W R	SH R	OW R	A R	A P	L O	R O	TA O	I O	IR S
OO S	IR S	VR T	Z T	OY T	C T	K U	Z U	B U	CH U	V Y	S V
CH W	F W	U Y	WH Y	O Z	E Z	D Z	I Z	SH Z	S Z	F ZH	E ZH
W O	E TH	A TH	L TH	K SH	SH SH	U SA	T SH	WH SH	O SH	C WH	T WH
Y CH	SH CH	OR CH	E CH	A OY	I OY	N OY	OR OO	NG OO	AR OO	G NG	OY NG
T NG	IR AR	Z AR	E AR	D IR	E IR	R IR	U IR	W IR	SH IR	E OR	OW OR
KW UR	D VR	V VR	S UR	SH UR	OY UR	K UR	F UR	N UR	IR UR	K CJ	V CJ
B B	K K	F F	GW GW	M M	N O	Z E	TH TH	TH E	TH I		

Tiles: China

Cards: India

Everything Else: USA











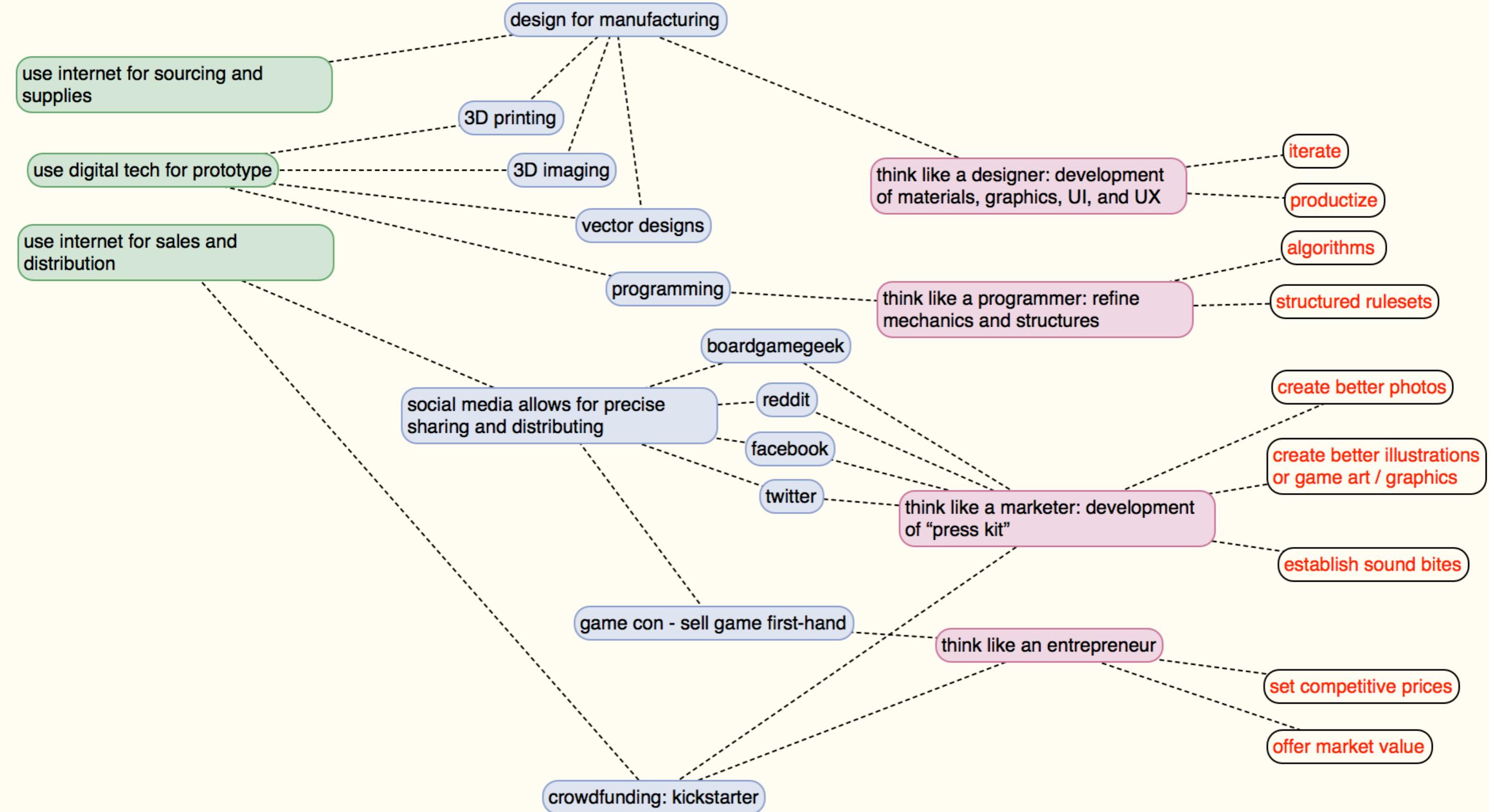


DESIGNER

PROGRAMMER

MARKETER

ENTREPRENEUR



BOARD GAMES ARE STILL GETTING BIGGER!

Sales at retail game and hobby stores have risen
15-20% for each of the last three years
(ICV2.COM)

Amazon says **board game sales increased** by
double digits from 2012 to 2013*

On Kickstarter, the amount raised for board game projects
surpassed the amount raised for video games last year,
\$52.1 million to \$45.3 million *

*NYTimes, May 6, 2014

KICKSTARTER

Projects and Dollars

Category	Launched Projects	Total Dollars	Successful Dollars	Unsuccessful Dollars	Live Dollars	Live Projects	Success Rate
All	175,982	\$1 B	\$1 B	\$155 M	\$20 M	6,921	41.24%
Games	12,234	\$270.94 M	\$239.12 M	\$28.31 M	\$3.51 M	542	34.64%
Film & Video	39,540	\$236.89 M	\$197.64 M	\$37.09 M	\$2.16 M	904	39.62%
Design	9,878	\$202.53 M	\$177.87 M	\$21.01 M	\$3.65 M	526	36.56%
Technology	7,379	\$194.71 M	\$168.44 M	\$21.99 M	\$4.28 M	776	28.23%
Music	32,679	\$123.15 M	\$111.42 M	\$10.27 M	\$1.46 M	790	54.14%
Publishing	19,625	\$56.19 M	\$46.58 M	\$8.50 M	\$1.11 M	743	31.17%
Food	9,680	\$52.90 M	\$43.64 M	\$8.34 M	\$923.76 K	752	32.47%
Art	14,088	\$41.89 M	\$36.01 M	\$5.24 M	\$636.57 K	500	46.04%
Fashion	7,854	\$41.00 M	\$34.97 M	\$5.25 M	\$790.40 K	416	27.53%

Maker projects:

collaborative

democratic

multi-disciplinary approach



