Should include:

The spirit
of Khovanov
& HF

old
1. Algebraic Knot Theory & the 3 basic problems.
2. The KI for KTG's & no-go thms. [Mo, Danceso]
3. Some internal quotients [Archibald]

new
1. virtual knots & arrow diagrams
   (circuit algebras)
2. Lie bi-algebras, E-K.
3. The projectivization Paradigm
4. WKO: within vKO, within comb. group theory, in 4D
5. A^w, TDer, div, etc. [Alek-Tor spaces]
6. BF
7. $\mathrm{Exp}(\mapsto)$ and tangle invariants.
8. wAlex at various generalities: knots, links, tangles.
9. Vertices and F, BCH
10. KV in more than one way.   what does it mean?
11. Drinfeld's lemma and associators.
12. More on EK.
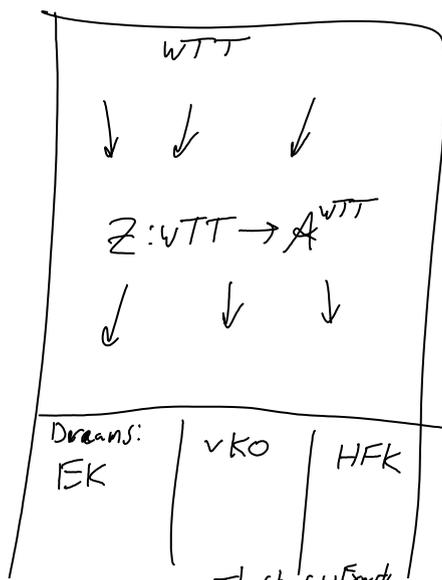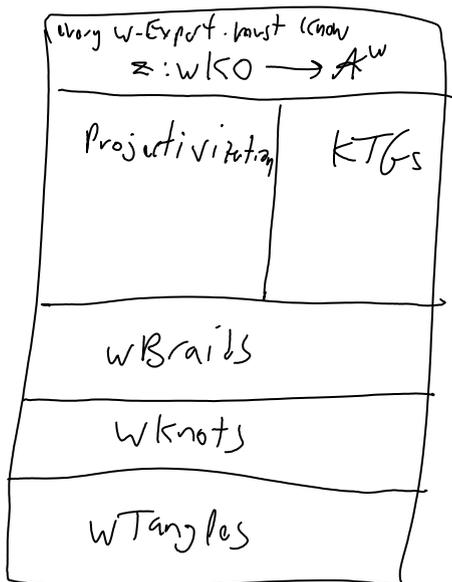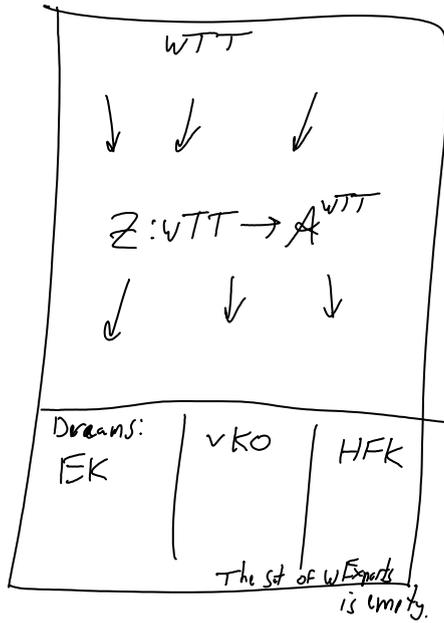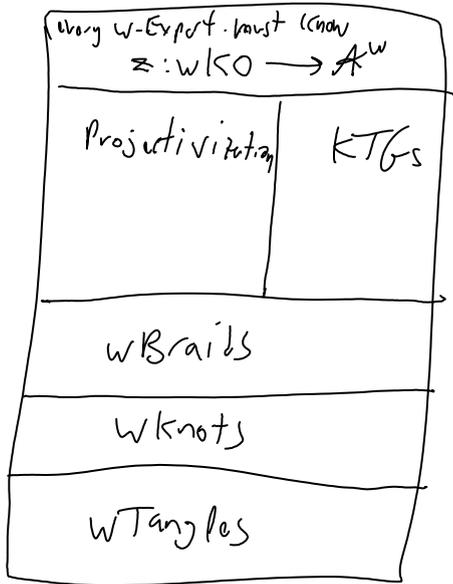
GPV,
Fiorita'n,
Halacheva

Every w-Expert must know
$z : wKO \longrightarrow A^w$

Projectivization	KTGs
wBraids	
wKnots	
wTangles	

wTT

$\downarrow \quad \downarrow \quad \downarrow$

$z : vTT \longrightarrow A^{wTT}$

$\downarrow \quad \downarrow \quad \downarrow$

Dreams:
EK | vKO | HFK

every w-Export. must know

$$z : wKO \longrightarrow A^w$$

Projectivization	KTGs

wBraids

wKnots

wTangles

WTT

$\downarrow \quad \downarrow \quad \downarrow$

$$z : vTT \longrightarrow A^{vTT}$$

$\downarrow \quad \downarrow \quad \downarrow$

Dreams: EK	vKO	HFK

The set of w-Exports is empty.

New idea:

	u-knots $\xrightarrow{1-1}$	v-knots $\xrightarrow{onto}$	w-knots (not 1-1)
Combinatorics	$\bigcirc$ / R123 $= PA\langle\ \rangle$ / R123	$\oslash$ / - - - $= CA\langle\ \rangle$ / - - -	v-knots / OC
Topology	a beautiful picture	Surfaces mod stab.	pictures
Finite type	$X = \nearrow - \searrow$	$\cancel{X} = \nwarrow - X$	
Examples	linking numbers, Alex, Jones, Homfly	more	v. linking #, Alex.
"chord diagrams"			
relations	4T	6T	4T, TC
Proj	$A =\ \cdot\ \cdot$	A^v	A^v
Moral (Proj)	metrized Lie algebras	Lie bialgebras	
UFTI	Kontsovich CSW/BT/T	E-K ζ_6	$\dfrac{\exp(t\to t)}{BF}$
Higher algebra	Associators	QUEA	K-V (convolutions on Lie groups & algebras)
Topological implications	Algebraic Knot Theory		

Side 2   Algebraic   uvw   knot Theory.