

Collaborate and groups

2

BTC

- One marker - person writes + group members guide
3 people

- More cognitive load due to using mind for calculations

- collaborate btwn groups w/ teacher facilitation (gallery walk)

Desmos

Students can compare Models for error + reasoning

- Cognitive load solely focused on task + not on calculation

- one screen, two collaborators

(Only Amplify does this effectively)

Effective consolidation

7

BTC

- Notes to Future Forgetful Self
- CYU's
- Ground-up consolidate

Desmos

- Always reflection of some sort of closing
 - ↳ Synthesis
 - ↳ Show What You Know
- Ground up consolidate

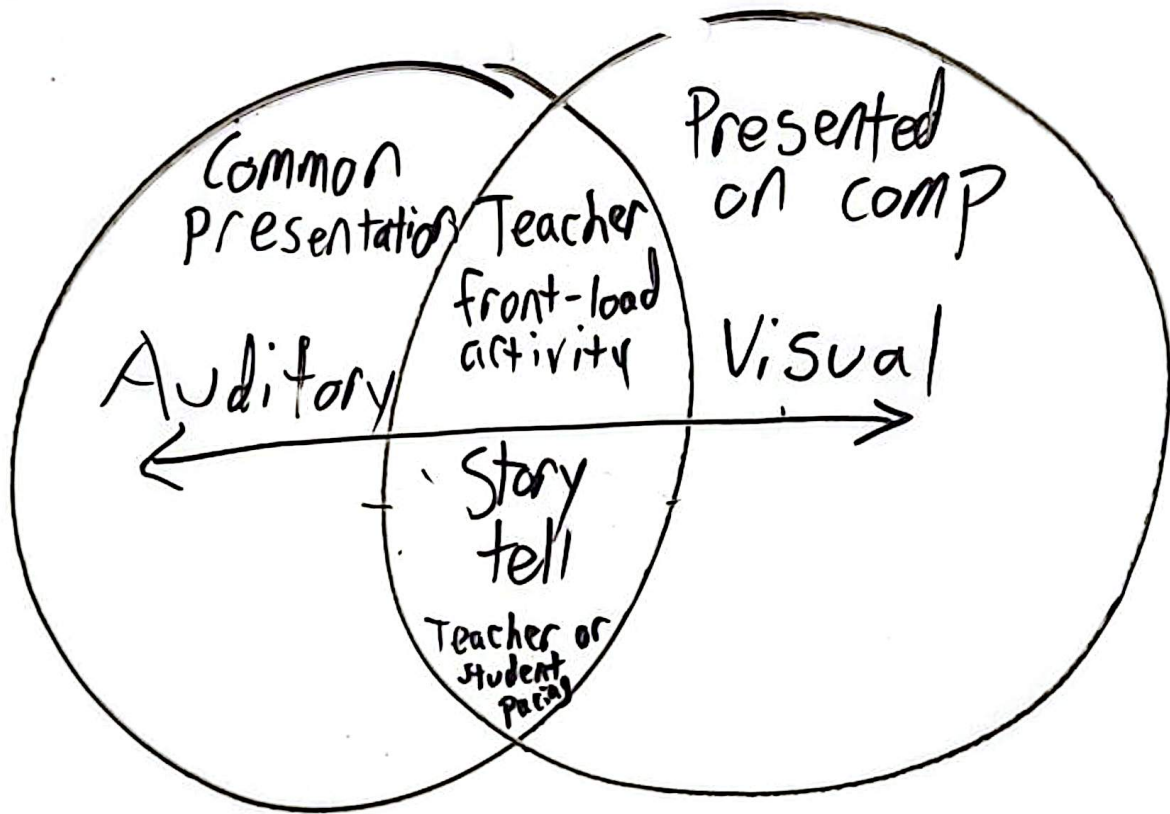
Anon.

Thinking Task

8

BTC

Desmos



Collaborate & Groups

9

BTC

Desmos

collaboration
is required/
builtin

Specific Roles

Jot all ideas

Passing pen ✓

used as tool
to explore concepts/
ideas

exploration is faster/
more visual ✓

errors are over-written

Experimentation, 10
make mistakes, discover

BTC

Desmos

✓ Experimentation
based on task
& collab.

Embedded w/
proper pacing

immediate

pause

discover -
the room
mult. whiteboard

computer ✓
- group

• Editable in
the moment

STUDENT THINKING VISIBLE

BTC	D/A
VNPS ✓ ✓ look around from 1 spot	student view separate clicks/slide by slide class/student view Q → explain thinking click/walk around

Parking lot

Yes → Can a teacher send a note/make a comment/prompt

There is a digital feedback.

Kids can't write back but you can send specific feedback to many or just one student

Sharing Student Ideas across groups Q

BTC

Desmos

✓ S. mobilize Knowledge

✓ A. Consolidate
- gallery walk
- note taking

Red ink

✓ S. share with class option

✓ create album with student work for teacher to share + discuss with class

BTL

Res mos

K

- teacher dashboard ✓

Prompts:

Scaffolds:

- thin slice ✓ → scaffolded slides

Hints: teacher provided to maintain flow

immediate feedback ✓

can add teacher comments?

"voting off island"

Extensions:

- Are You Ready for More?

mild, medium, ✓
spicy

BTC

Desmos

6

- Circulate to drop hints / prompt perusing as needed

- ✓ Thin slice Scaffold / repetition as needed

- Extended beyond goal w/ thin slice

* prompts,

Scaffolds, hints, extensions

- ✓ Show student work anonymized on board to facil. discussion

- ✓ Slow release & lock / recall to slides as needed

- Extra slides in (?) deck available

- ✓ Hint embedding w/ common error solutions