

## FIELD STUDY EXCERPTS \_\_\_\_ grade K class \_\_\_\_

SETUP: 2 surface pro at a time, on a carpet.

Session Times (20min):

- 1) 1.05 – 1.20
- 2) 1.20 – 1.40
- 3) 1.40 – 2

### OBSERVATIONS

Note that “ ” does not refer to real quotes, just rephrased what they actually said

#### *Timing*

Session1 was shorter because I came last time and one of the student experienced the app for about 5 min, he could then catch up faster and show to the other students.

#### *Bugs and issues:*

Touching for long brought up the contextual menu

#### General observations:

Kids seems engaged in the app, they do not communicate much with each other compare to grade 2. Discussing/explaining to each other is also more difficult, needs more hands on interaction with the moderator. To reduce difficulty with reading, the moderator asked questions about the different views, the first exploratory one were described as “experiment with the interface”.

Kids do not seem frustrated when its open ended, nor did they seem to be frustrated or disappointed when they cannot manage to answer the question asked.

They are so engaged that sometimes, they do not listen to the moderator or the other kid' question.

### SESSION 1. \_\_\_\_\_

Ex1 (forest animal animation)

S1 had already seen and played with the app (about 5/10 min) the last time. With same exercises. He still was eager to do it (again).

S1 starts interacting immediately, adding removing elements and changing view.

S2 did not ask S1, but look almost constantly at what S1 is doing.

S2 found the add/remove buttons but it seems he does not know what to do

*Prompt: S1, why don't you explain to S2 what you are doing?*

S1 did not explain in many words but rather showed actions on his screen (start animation)

S2 replicates the same on his screen

*Prompt: S1, how many bunnies do you have on screen?*

Engaged in maximizing all animals in the pictograph mode. Does not listen.

*Prompt: S2, how many hoots do you have on screen?*

S2 is in the free-form pictograph view and does start to count (without moving object) with his finger over the screen without touching, then looks at me and says he does not know.

*Prompt: Is there an easier way to tell? S1, what do you think?*

S1 looks on his screen then reach to press the animation slider

Then S2 directly look at the axis label and say the number (it was 10). I think he already got the axis down?

Ex2 (flower coordinated views)

S2 looks at me and asks what to do. Replies to explore

S1 is again trying to fill up all flowers. He is mostly interacting with the discrete bar chart view.

*Prompt: how many flowers total?*

S1 counts the 6 bars of 10 and tells me so.

### SESSION 3. \_\_\_\_\_

S5 is really engaged in the app. He sat down since 10 min already before he starts to have the tablet for himself. Again, he has seen the flower/fish/cat but still appears engaged to do it.

S5 really is surprised, (astonished really) by the animations, he loves it and spends a lot of time add/removing elements and starting the animation

S5 asks a lot of questions to the moderator. In contrast S6 does not say much. Most of his interactions are with S5.

Both laugh when the first time they see the highlight in both coordinated views. I cannot find out why though 😊

S5 uses the highlight a lot in fish view, to count fish one by one along the bar.