Learning more about MOOC-Eds @ The Place - The Friday Institute at NC State: place.fi.ncsu.edu

Videos

1) **Expert Panel:** [https://www.youtube.com/watch?v=ZGTR1J2-j-0](https://www.youtube.com/watch?v=ZGTR1J2-j-0)
2) **Dan Meyer:** [https://www.youtube.com/watch?time_continue=11&v=M9Dr1TDb52k](https://www.youtube.com/watch?time_continue=11&v=M9Dr1TDb52k)
3) **Middle school students' work on the function machine task:** [https://www.youtube.com/watch?v=tJGziVPCg&feature=youtu.be](https://www.youtube.com/watch?v=tJGziVPCg&feature=youtu.be)

Technology-Based Tasks

1) **Desmos Charge! Activity- Link for the NCTM Session.** [https://student.desmos.com/?prepopulateCode=e394rs](https://student.desmos.com/?prepopulateCode=e394rs)

Teacher resource for Charge! Activity:
[https://teacher.desmos.com/activitybuilder/custom/563a59893f80f2fd0b7c77f0](https://teacher.desmos.com/activitybuilder/custom/563a59893f80f2fd0b7c77f0)
Additional resources: Desmos.com

2) **Geogebra Function Machines:** [https://www.geogebra.org/m/wcuPt43b](https://www.geogebra.org/m/wcuPt43b)

Other Geogebra resources: [https://www.geogebra.org/materials/](https://www.geogebra.org/materials/)

3) **Web Sketchpad:**


** Links used during the presentation
Middle School Students’ Definitions of Functions

Student Response 1:

An input that always has the same output.

Student Response 2:

A function is when you have a number, or the input, and you apply a rule. (y = x4) when you apply the rule you get the same output every time.

Student Response 3:

The input is what you select and the output is what you get out. The input is always consistent with the output in a function.

Student Response 4:

The output follows a pattern no matter what the input is.

Student Response 5:

A specific input has a specific output. The rule doesn't vary. If it's a function the data will follow the rule.

** Links used during the presentation