A Minute to Win it: Motivating Mathematics Connections.


## Connections Standard

Instructional programs from prekindergarten through grade 12 should enable all students to:
oRecognize and use connections among mathematical ideas;
oUnderstand how mathematical ideas interconnect and build on one another to produce a coherent whole;
oRecognize and apply mathematics in contexts outside of mathematics.

National Council of Teachers of Mathematics (2000). Principles and standards for school mathematics. Reston, VA: The Council.
(Click here for more into) (Click here for more info.)

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school mathematics The Council. (Click here for more info.)

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What contexts lend themselves to motivation and engagement?
oStudents want to move, touch, try, do oTheir world has a high level of stimulus, interactivity, instant response
oThey are attuned to media, television, internet, Facebook, Twitter, texting, YouTube oHere is an idea...

## MTWI: Paper Scraper

oPaper Scraper: Blueprint; Sample solution oWho is willing to try it?
oWhat's the connection between the number of cards used and the number of levels completed?
oWhat other patterns do you see in the activity?
oWhat are some mathematical questions that could be asked about this scenario?

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## MTWI: Stack Attack

oStack Attack: Blueprint (Also called sport stacking)

## MTWI: A Bit Dicey

## oWho is willing to try it?

oWatch these video solutions:

- A Traditional Stack Attack (Lily)
- A Young Stack Attack (Sofia - 4.5 years)

O A Fast Attack! (Daniel); Even Faster!! (Jeanie)
oA Bit Dicey: Blueprint;
OVideo: Sample solution (Michael)
oWho is willing to try it?
oWhat are some mathematical questions that could be asked about this scenario?
oWhat patterns do you see in the activity?
oWhat are some mathematical questions that could be asked about this scenario?

## How else can mathematics be drawn out of MTWI?

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oBreakfast Scramble - "Assemble the front of a cereal box that has been cut into 16 even pieces."
oCandelier - "Stack 5 levels of cans, starting with 1 on
Cantagious - "Start with a stack of 3 empty cans in 1 hand, 3 full cans in the other. Without setting them down, transfer stacks into opposite hands." the bottom and 5 on the top, with a paper plate in between each level."
oSeparation Anxiety - "Player must separate a pile of Matchmaker - "Pick up 1 of 18 plastic cups on a center table and place the small candy from under that cup into 1 of 3 glasses placed around the outer rim of the stage. Object is to get 6 of each colored candy into the 3 glasses."
NBC Website Game Blueprints


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