Twenty Years of Teaching What Deming Taught for Education Transformation in 5 minutes

Second Podcast for
Deming Institute



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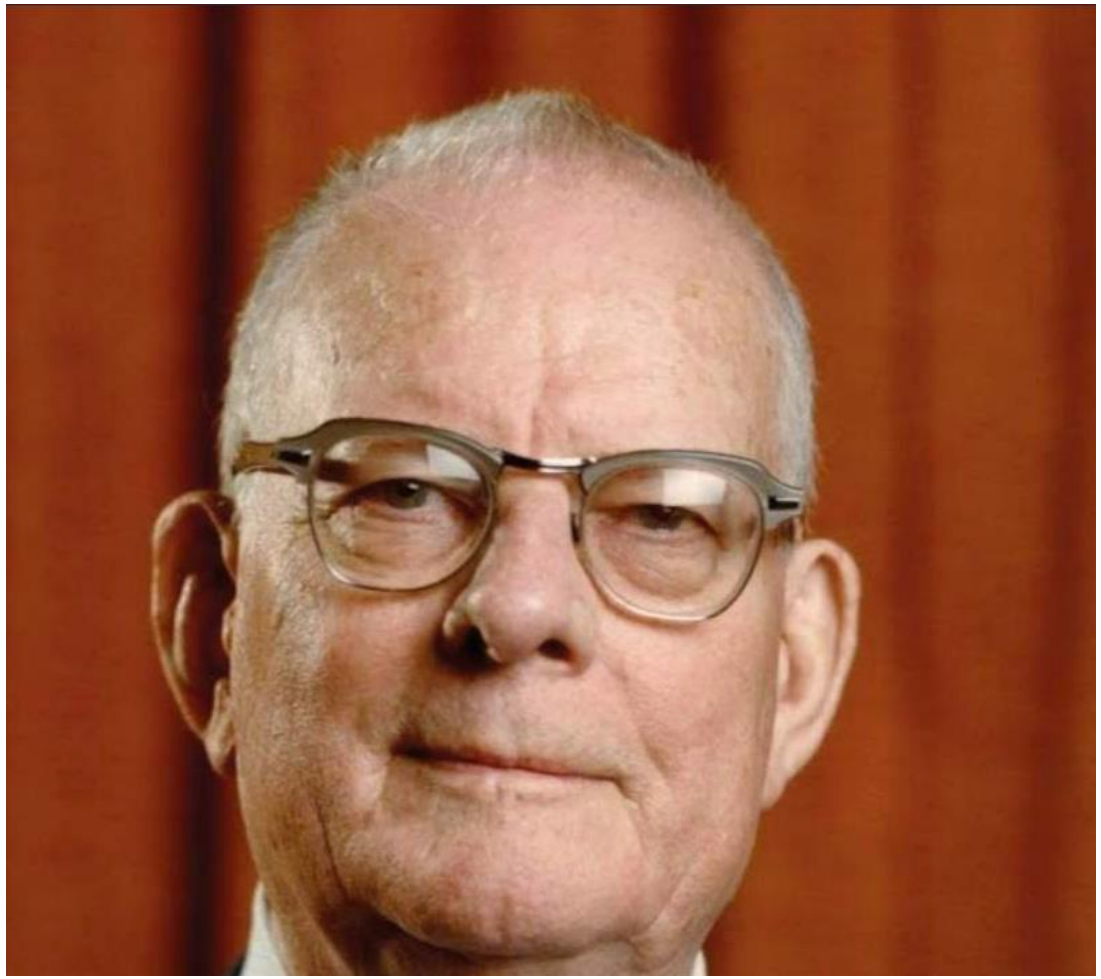


In 1990 at
AASA Conference

I think you will enjoy this session…”

CRAZY SIMPLE EDUCATION

Deming the Statistician described data in the classroom!



CRAZY SIMPLE EDUCATION

Essentially, Dr. Deming taught how education could have a LEARNING SYSTEM instead of an INSPECTION SYSTEM

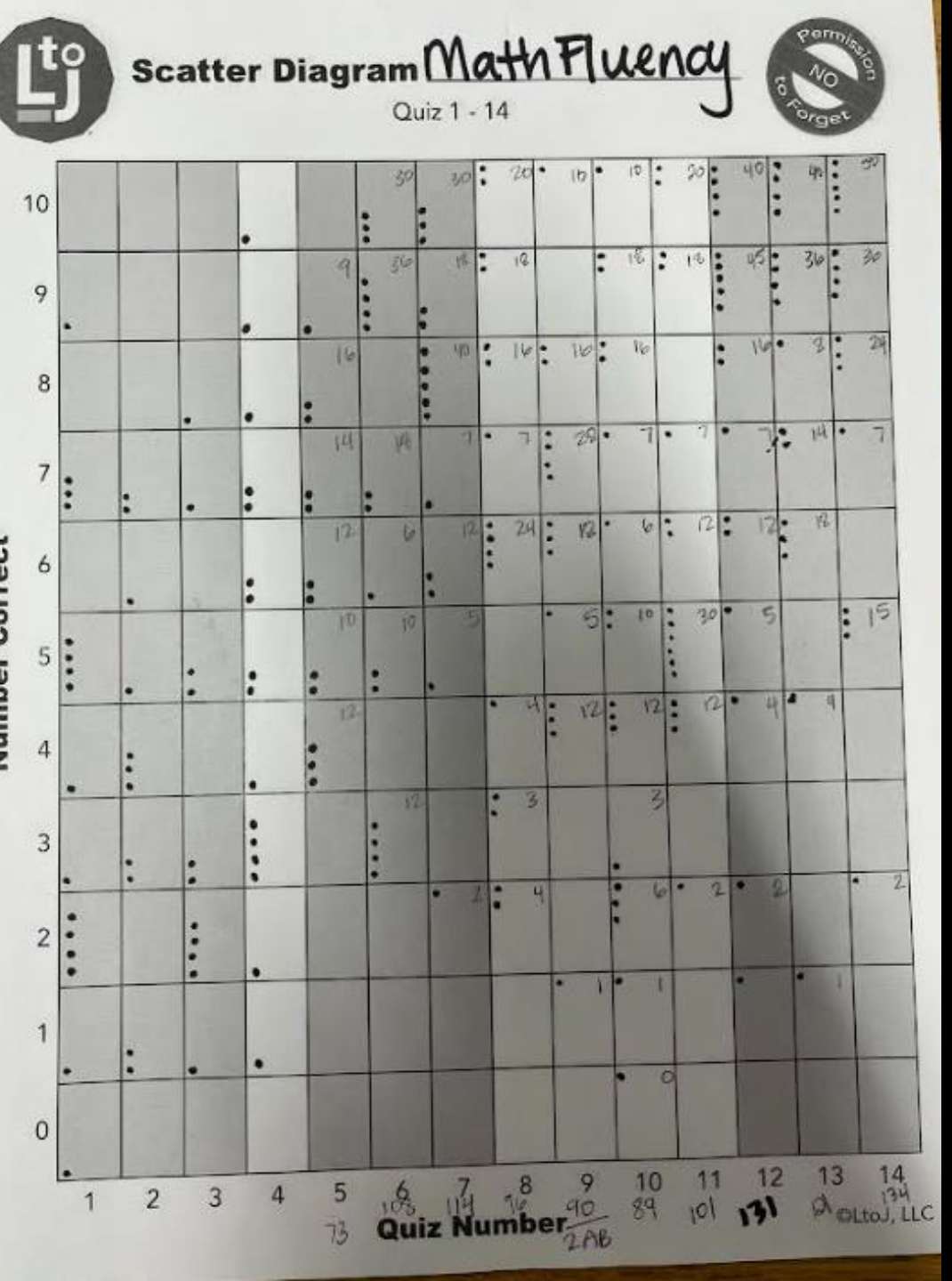
CRAZY SIMPLE EDUCATION

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REVIEW from Podcast #1

1. Key concept list
2. Weely quiz – √ random items
3. Scatter Diagram
4. Class Run Chart

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Create Scatter Diagram

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Post Classroom Total

Class Run Chart

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Expansions of Dr. Deming's Learning Data Process

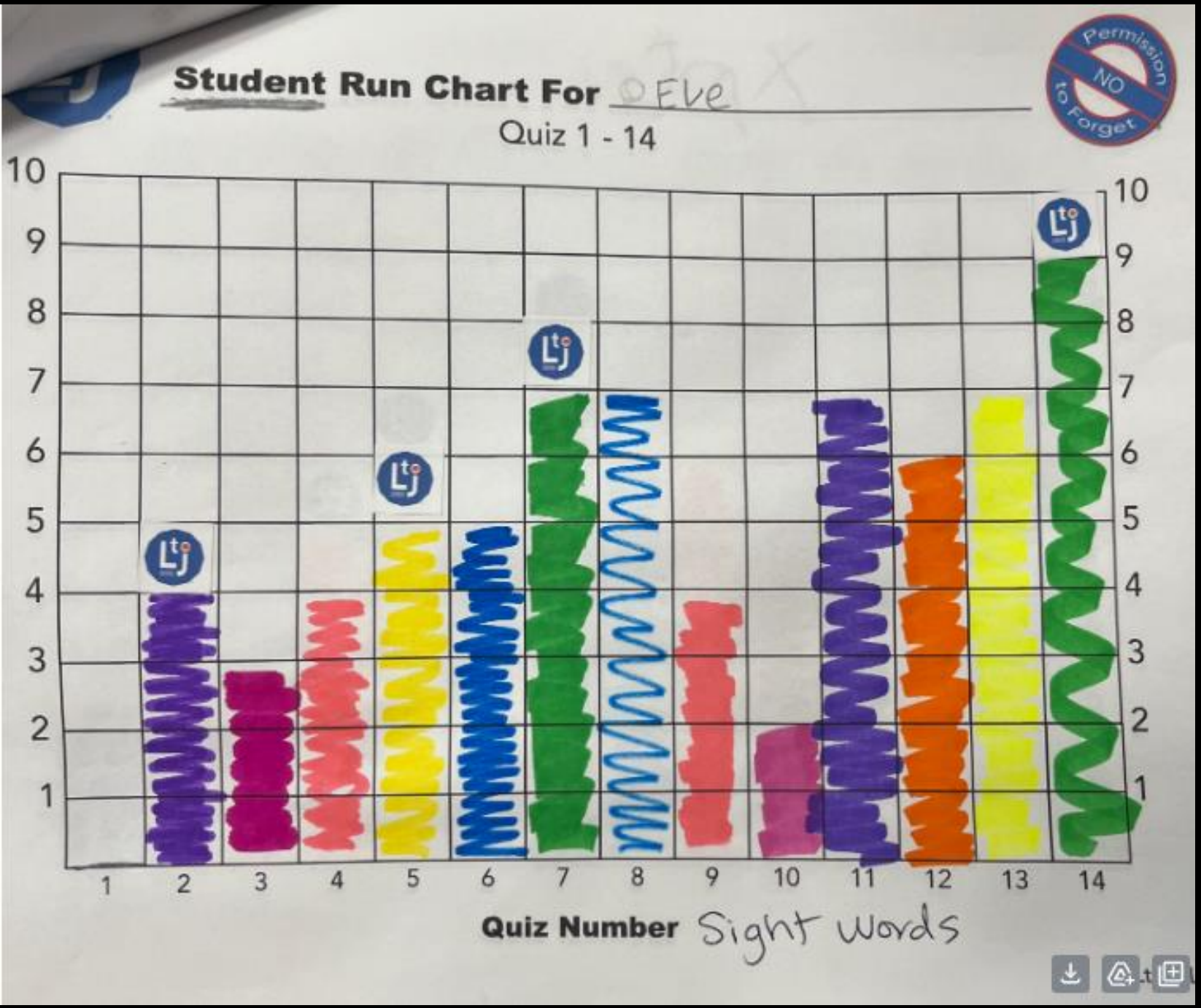
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- Geometry
- Algebra II
- Algebra I
- Pre-Algebra
- Math 7

Secondary science decided 50% review

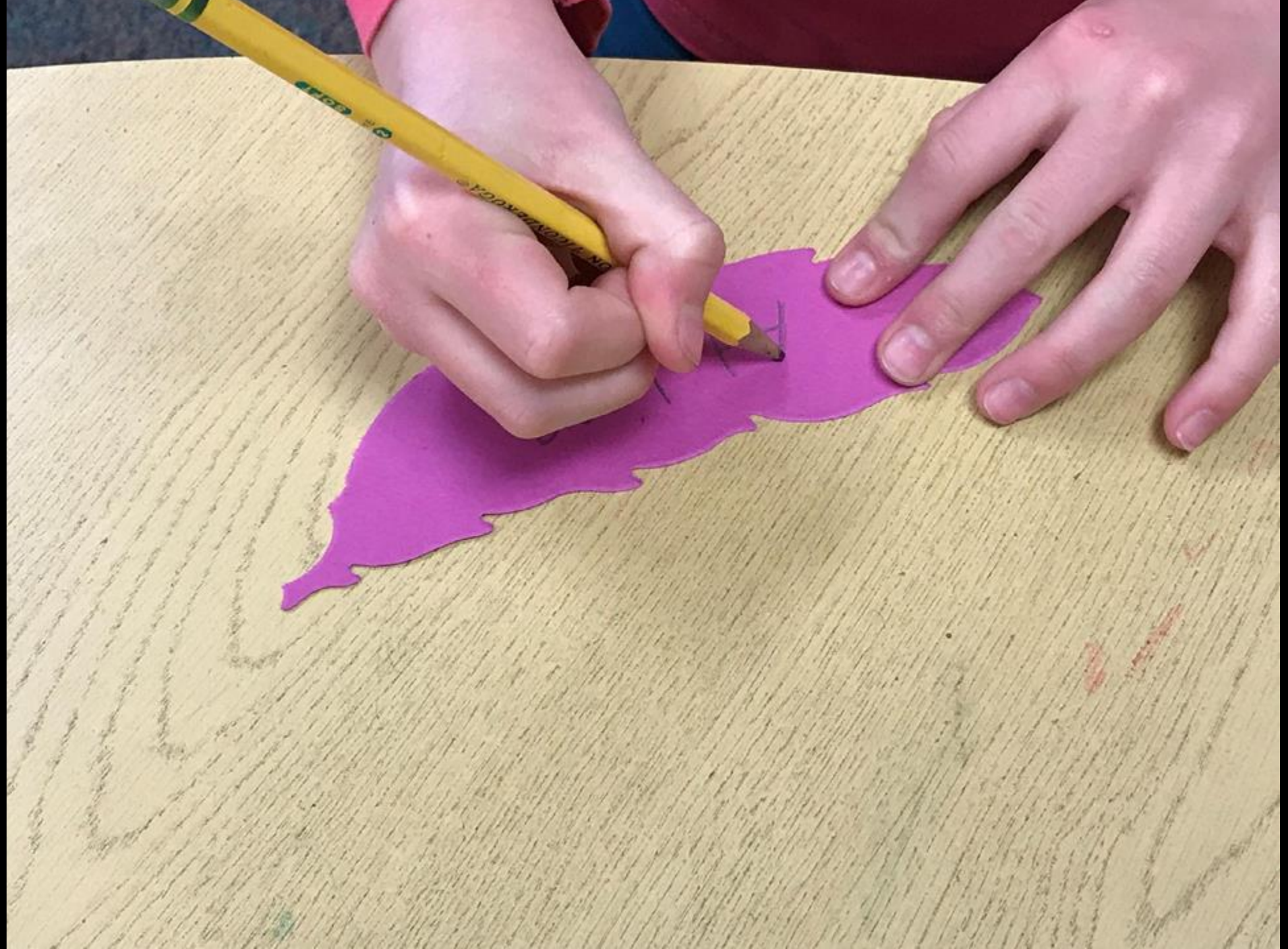




Student Run Chart

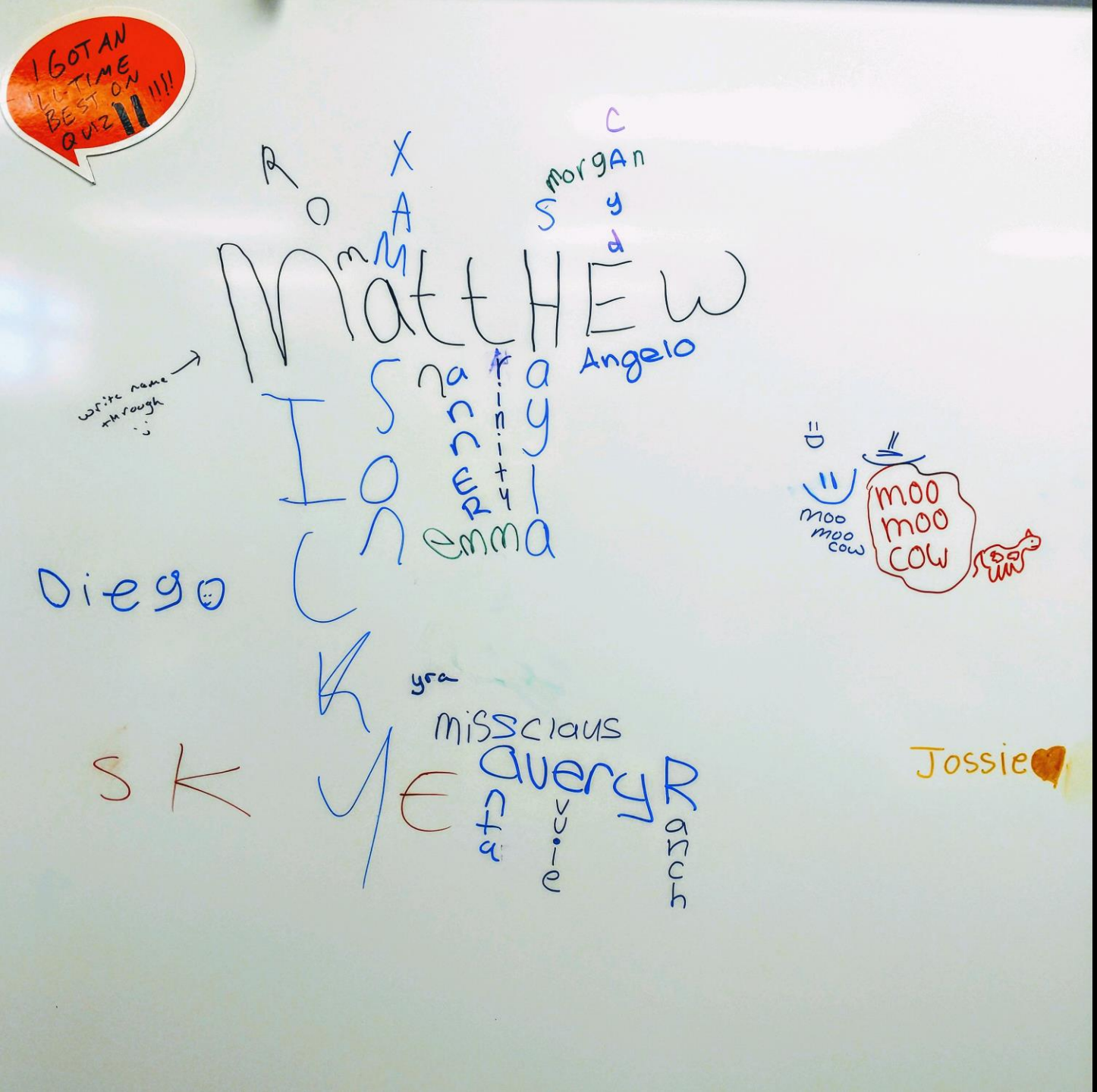
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Individual Celebration of Personal Best (ATB)


rs. Nelson
Vocab
Mrs. Nelson
Spelling

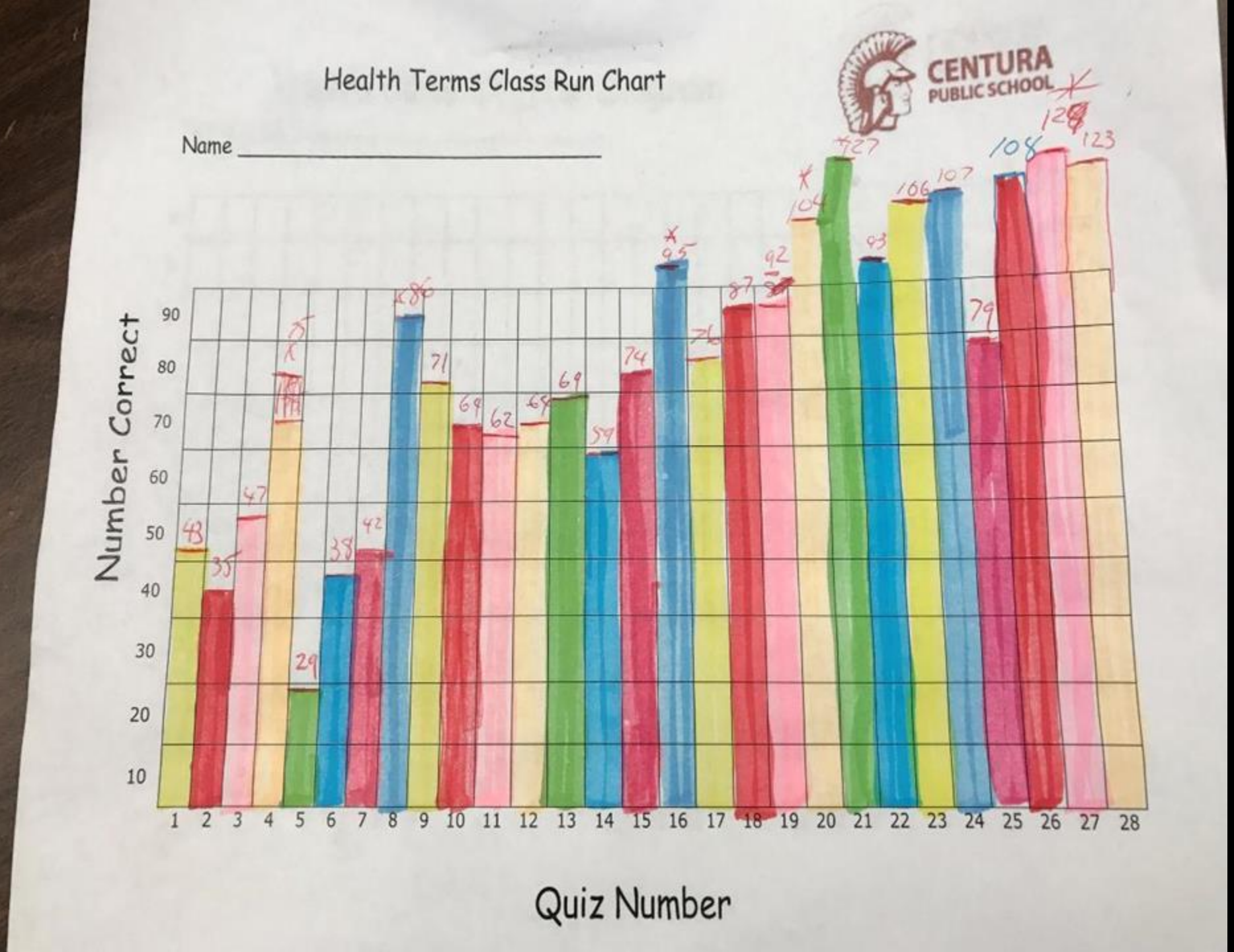


MIDDLE SCHOOL

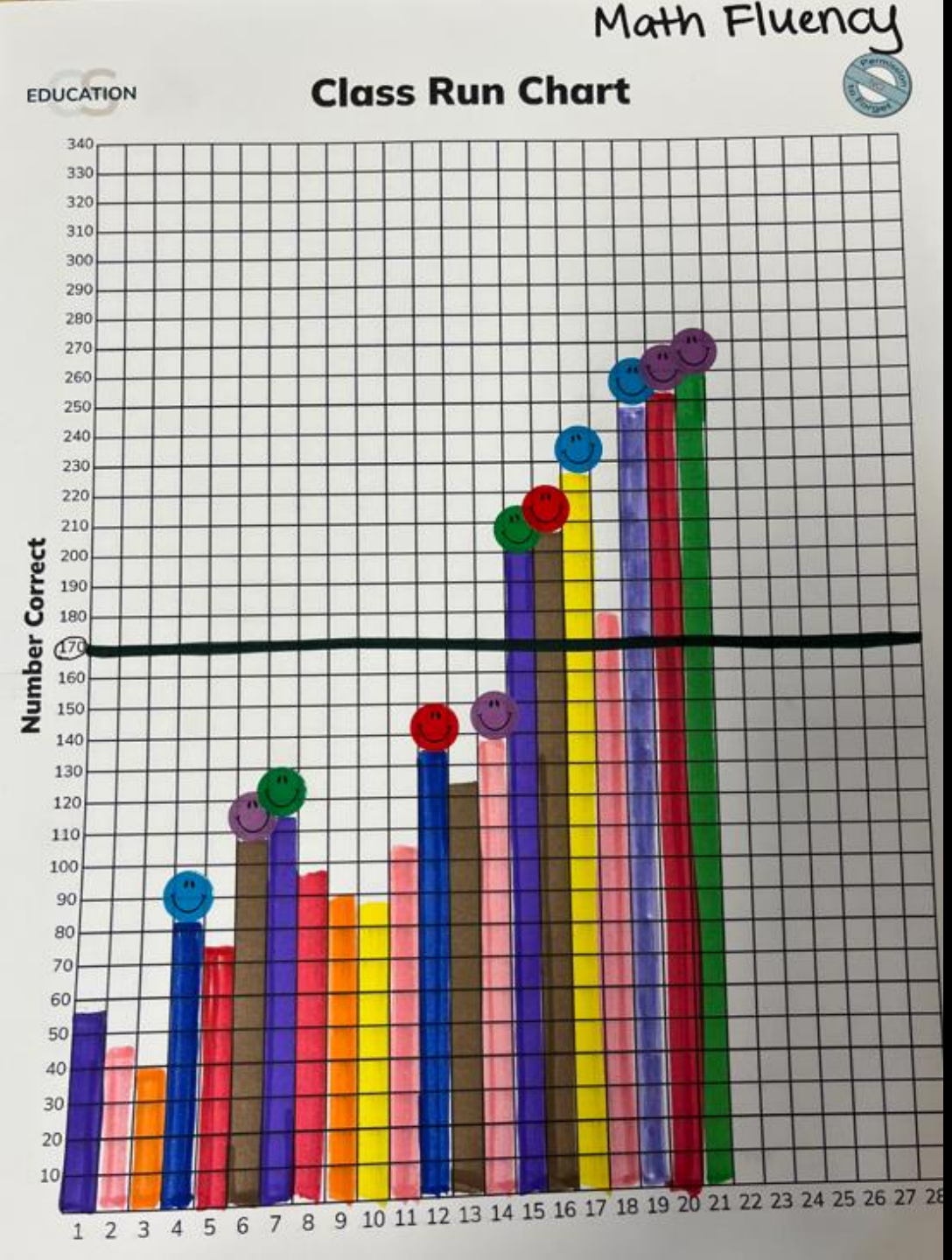
Celebrate With Name On White Board



High School Kerplunk Celebration



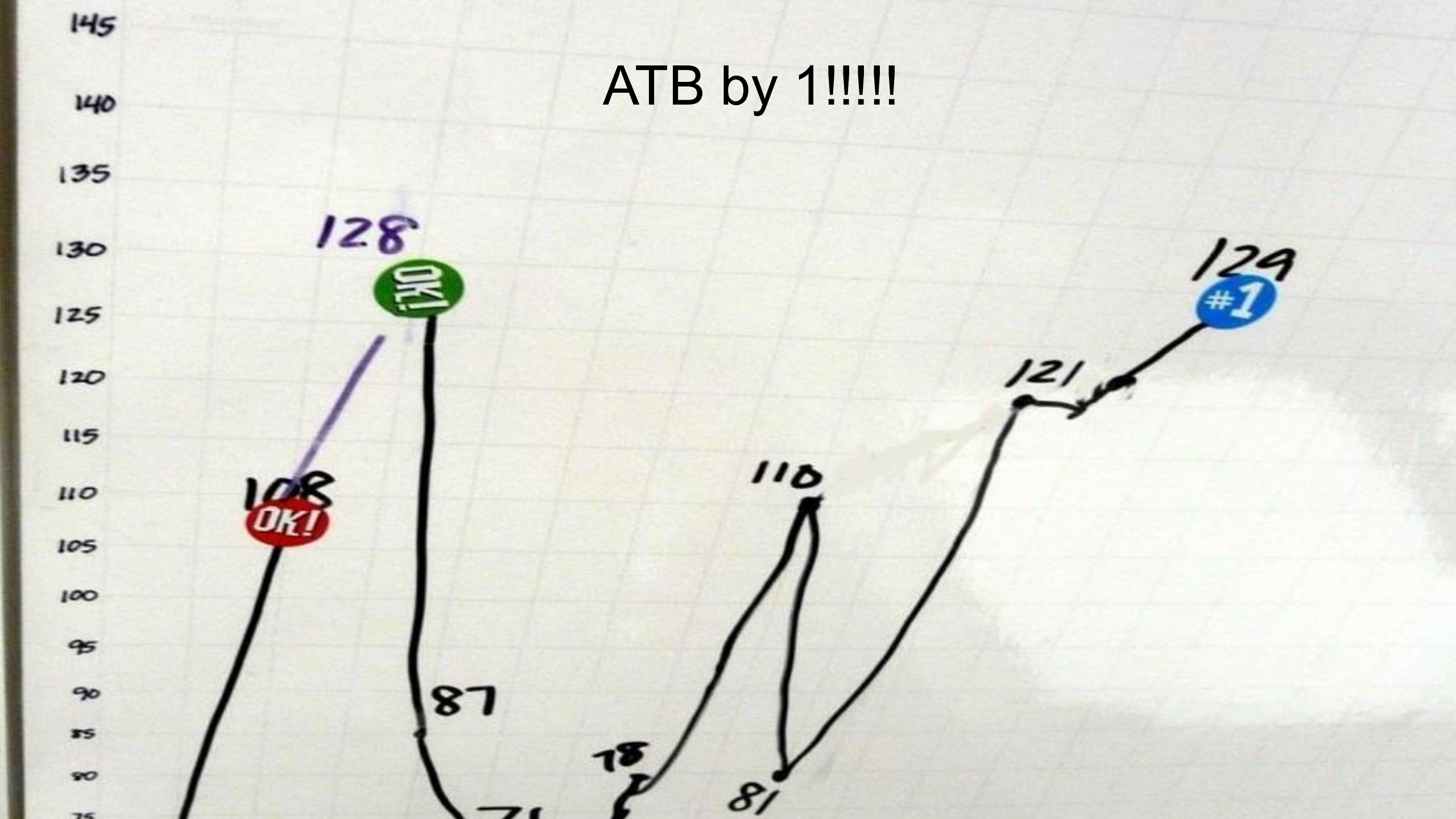
Indicate Classroom <u>All-Time</u> <u>Bests</u>

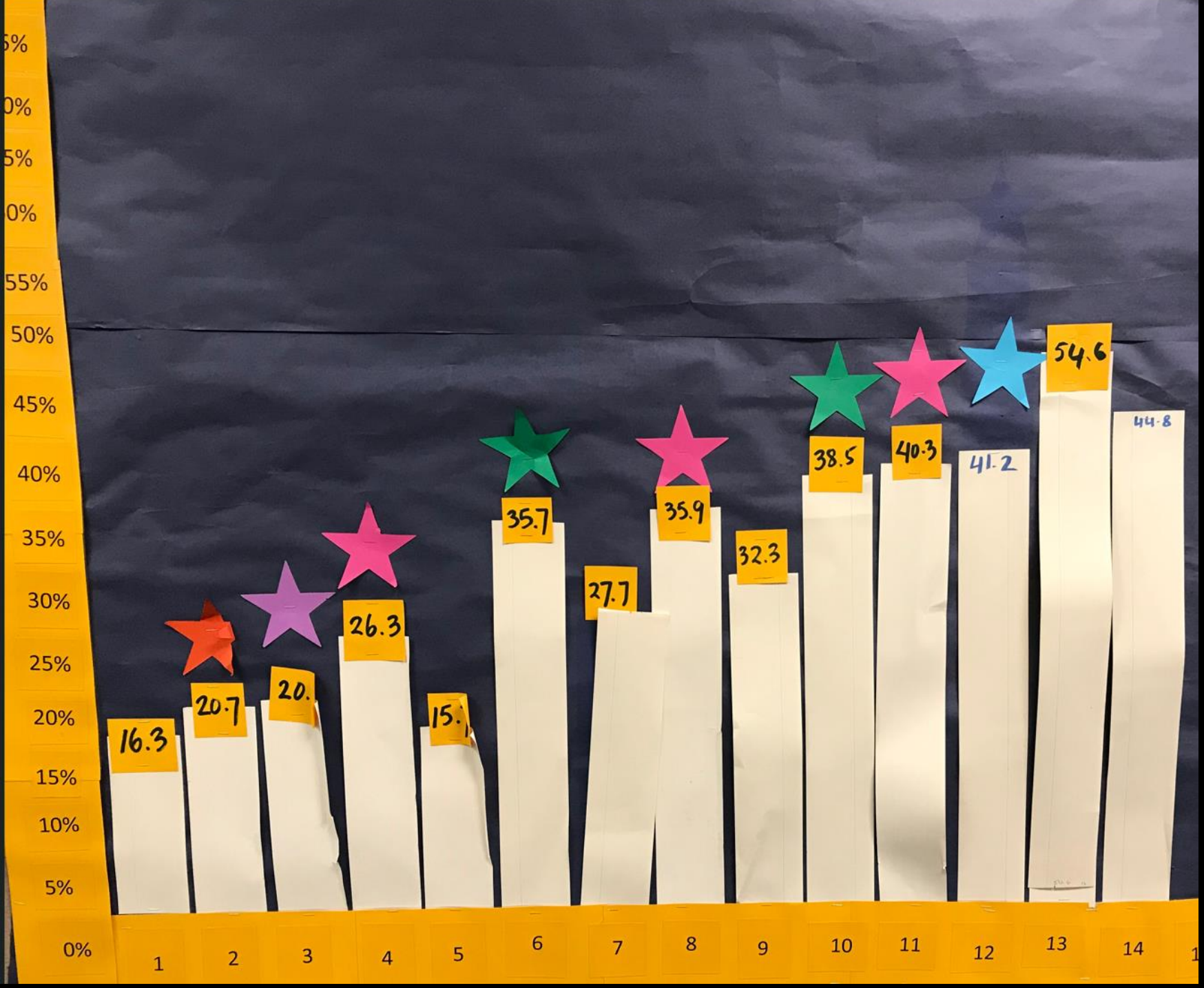


Earn Acceleration

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ATB by 1!!!!!

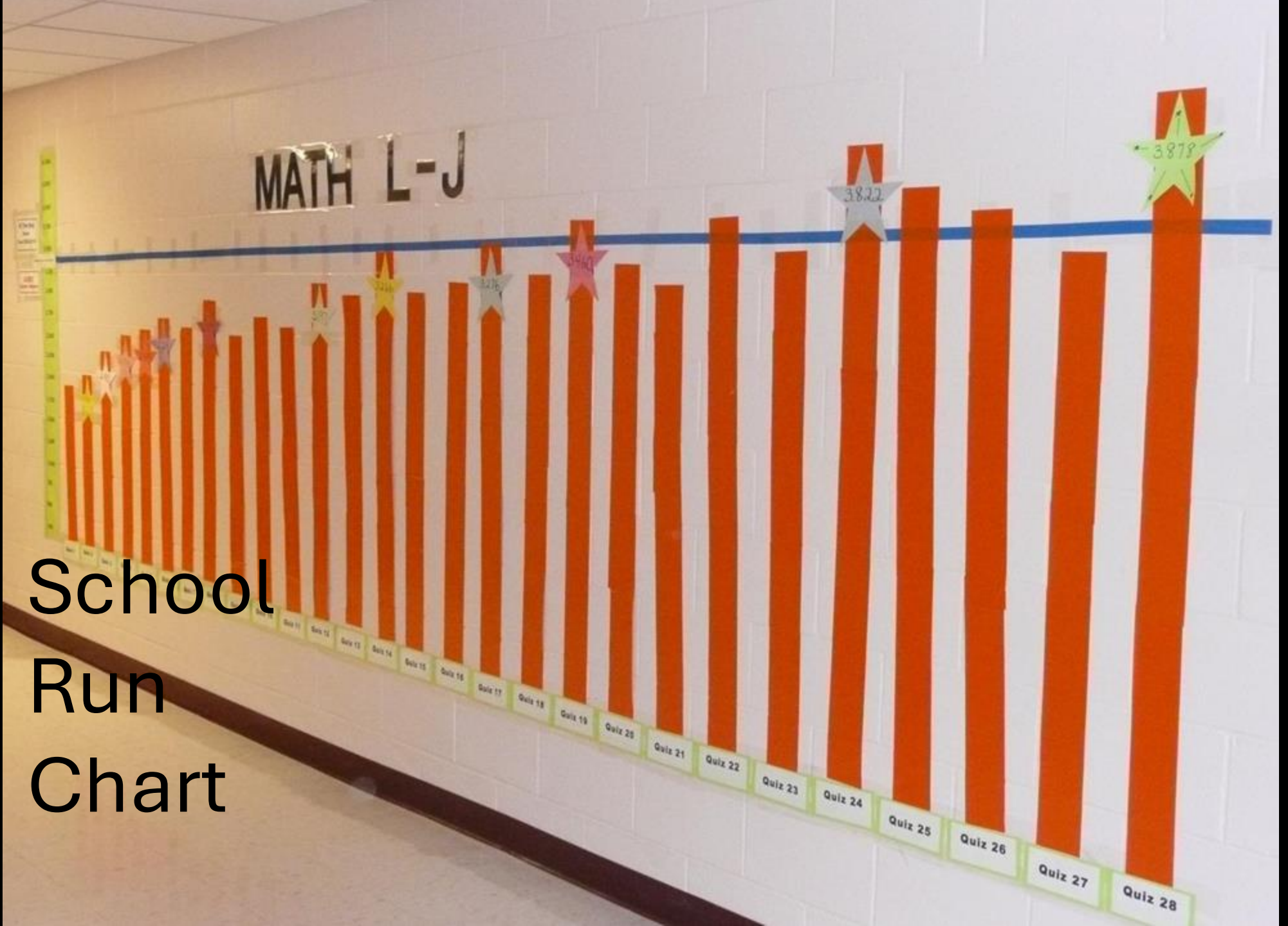

145
140
135
130
125
120
115
110
105
100
95
90
85
80
128
OK!
108
OK!
87
110
78
81
121
129
#1



Sixteen
Grade
Seven
Classrooms

Four
Subjects

Semester
Results



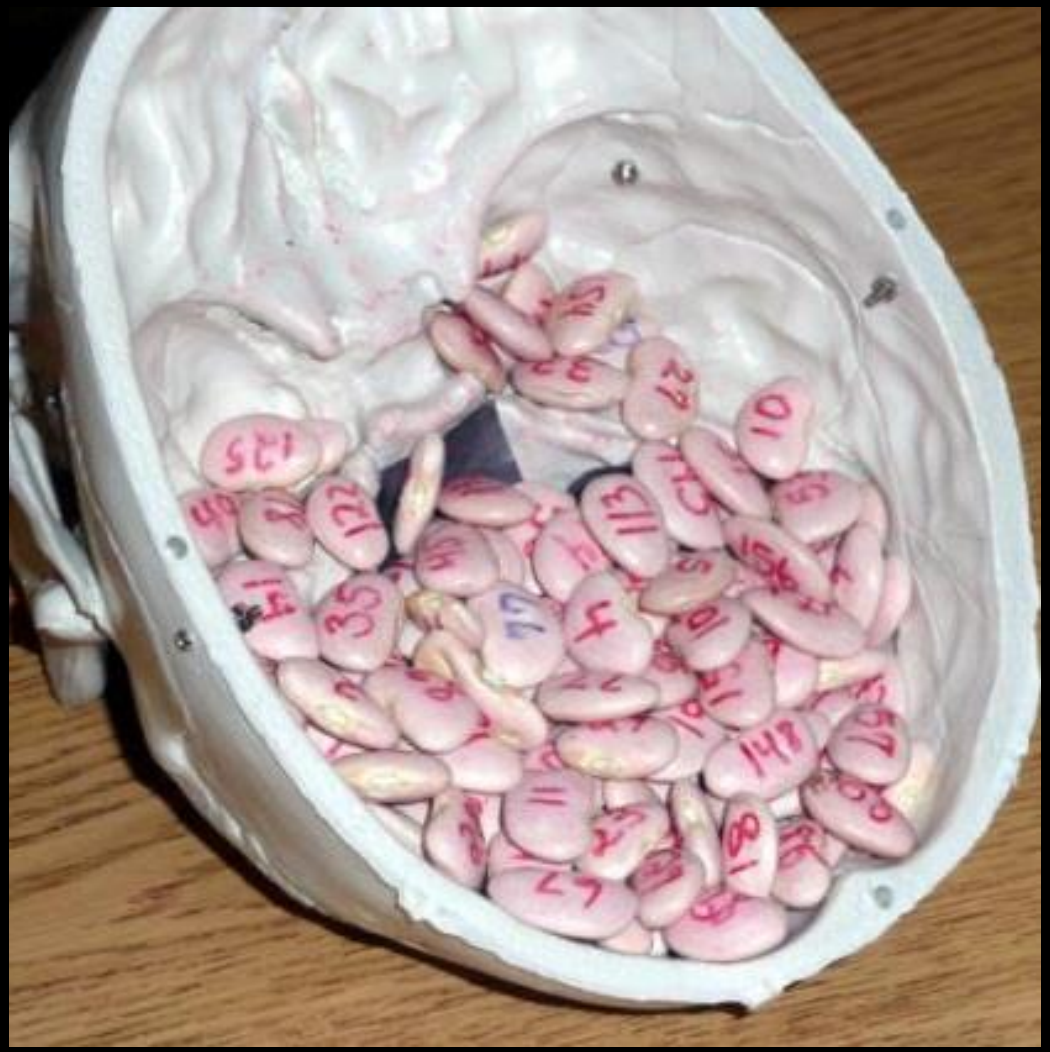
School Run Chart

Blue Line?

Best From Prior Years

Scatterbrain from Delaware







Middle School Random:

- Pickin’ a nose for a key concept question.

- Is this fun or what?



World History, Tanque Verde, AZ



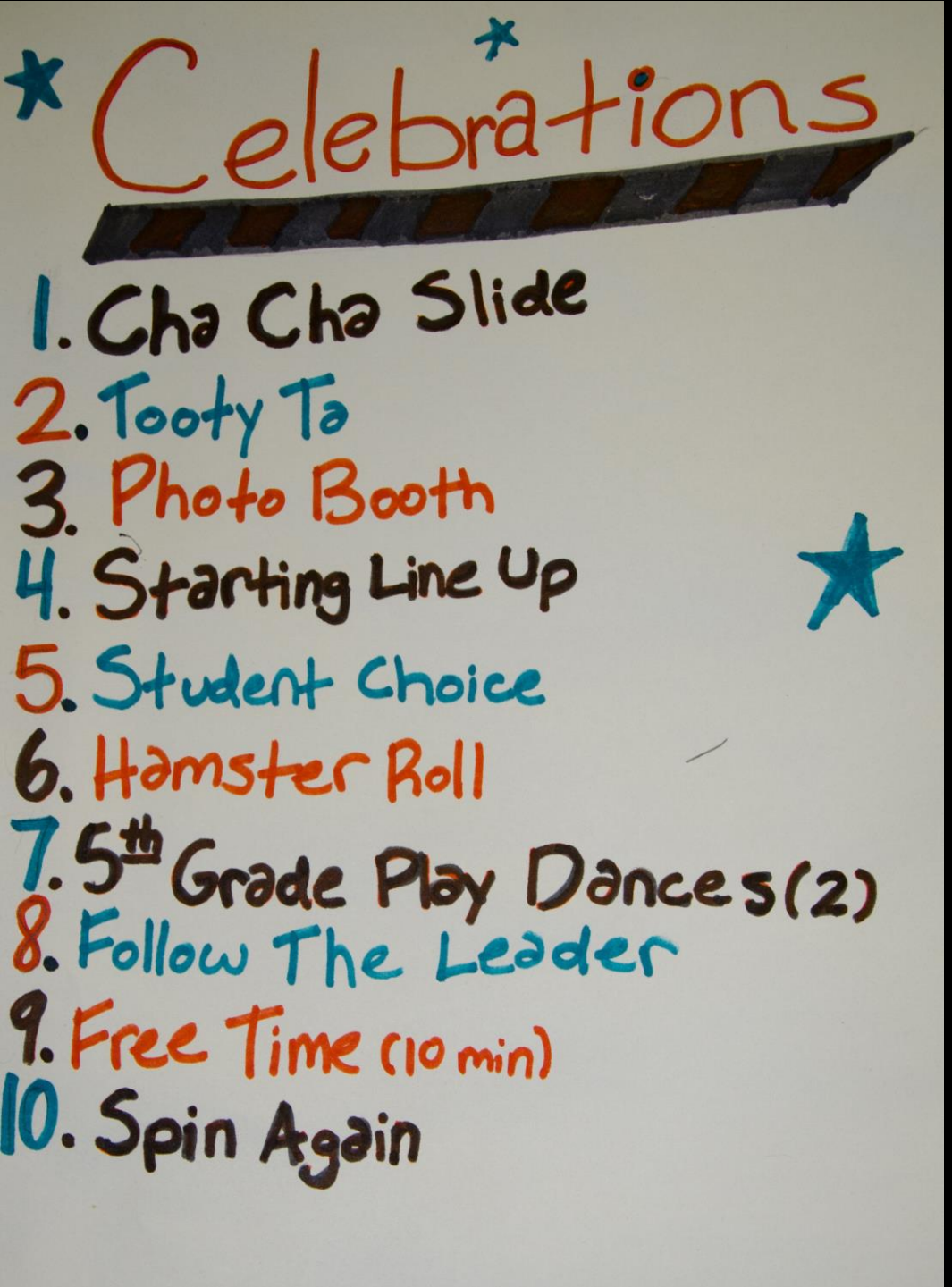
Concepts to Remember

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac	Rf	Ha	Sg	Ns	Hs	Mt	11	11	11	11					
									0	1	2	3					
		Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu		
		Th	Pa	U	Np	Pu	A	C	Bk	Cf	Es	Fm	Md	No	Lr		

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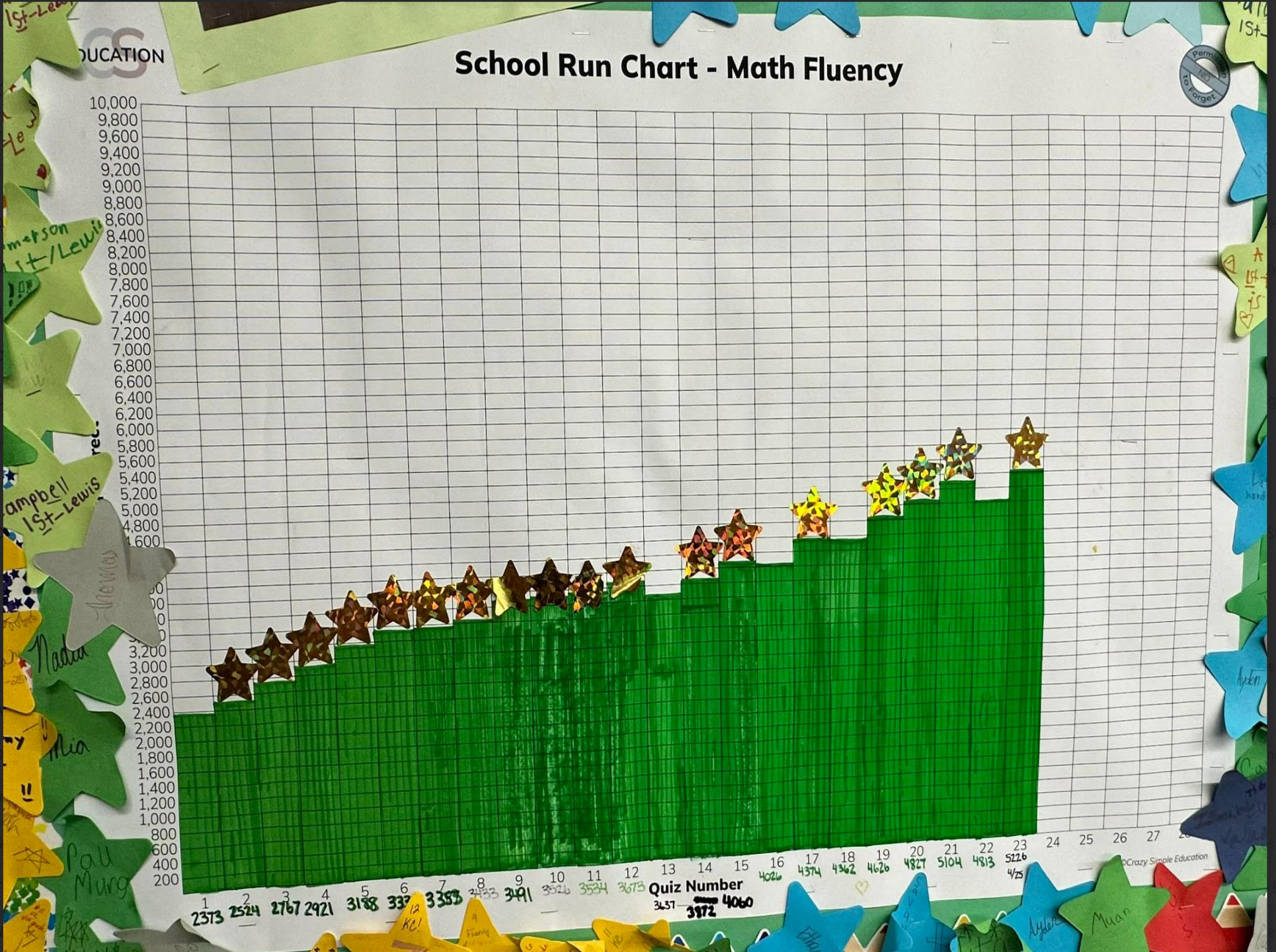


The Wave Celebration



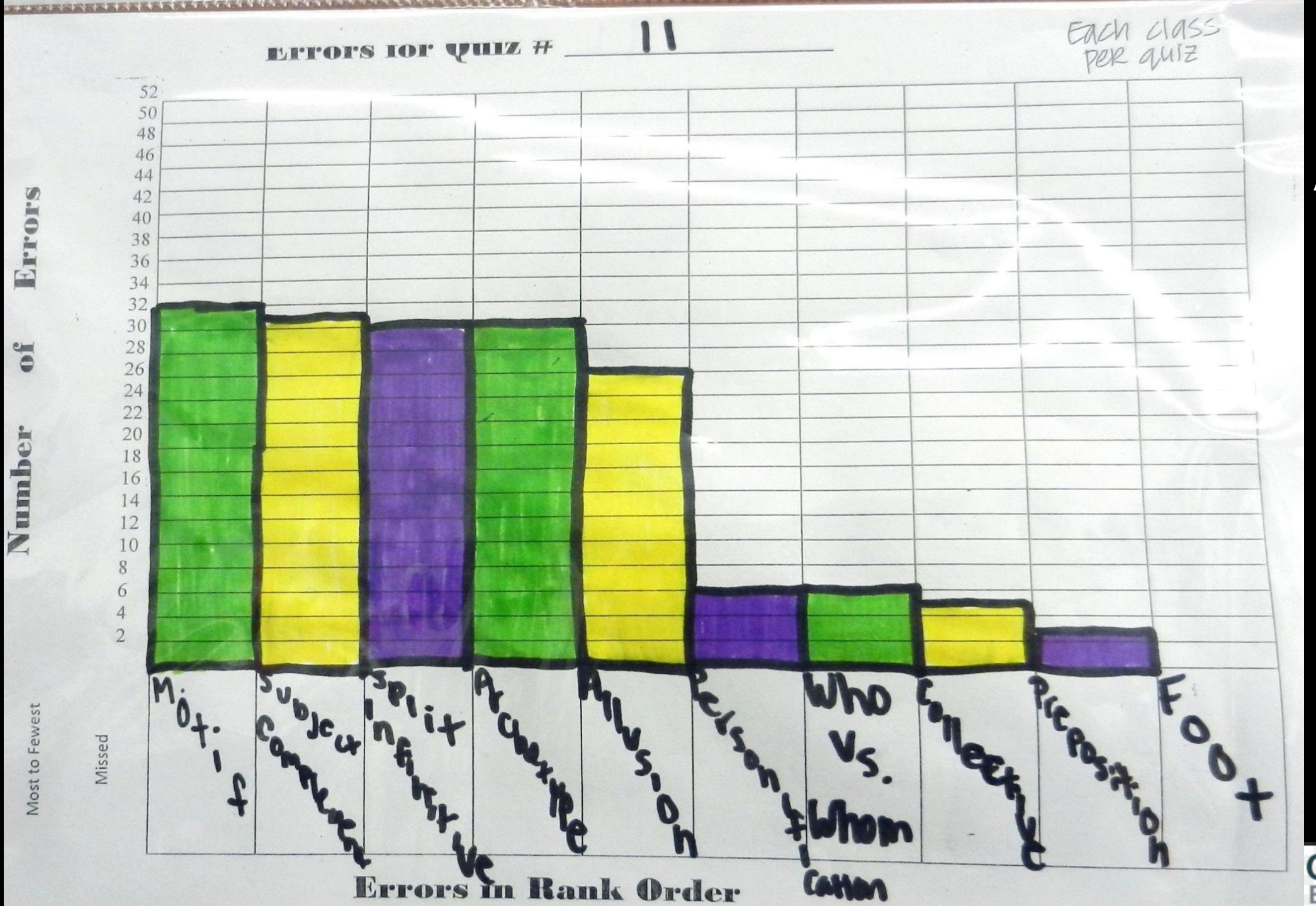
Spinner to Determine How to Celebrate

Hamster Roll Is Favorite

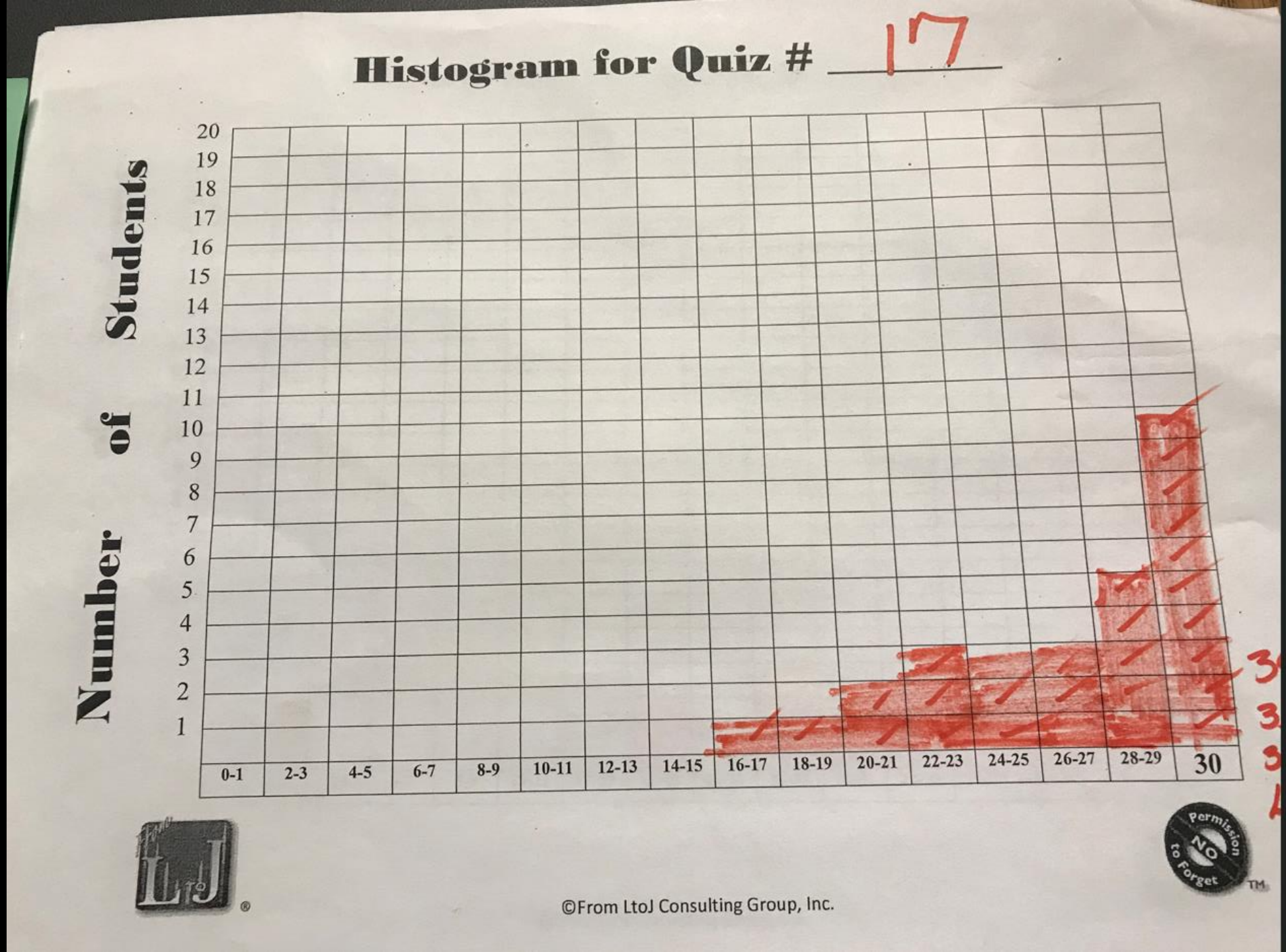


Celebrate School Run Chart

Item Analysis



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HISTOGRAM

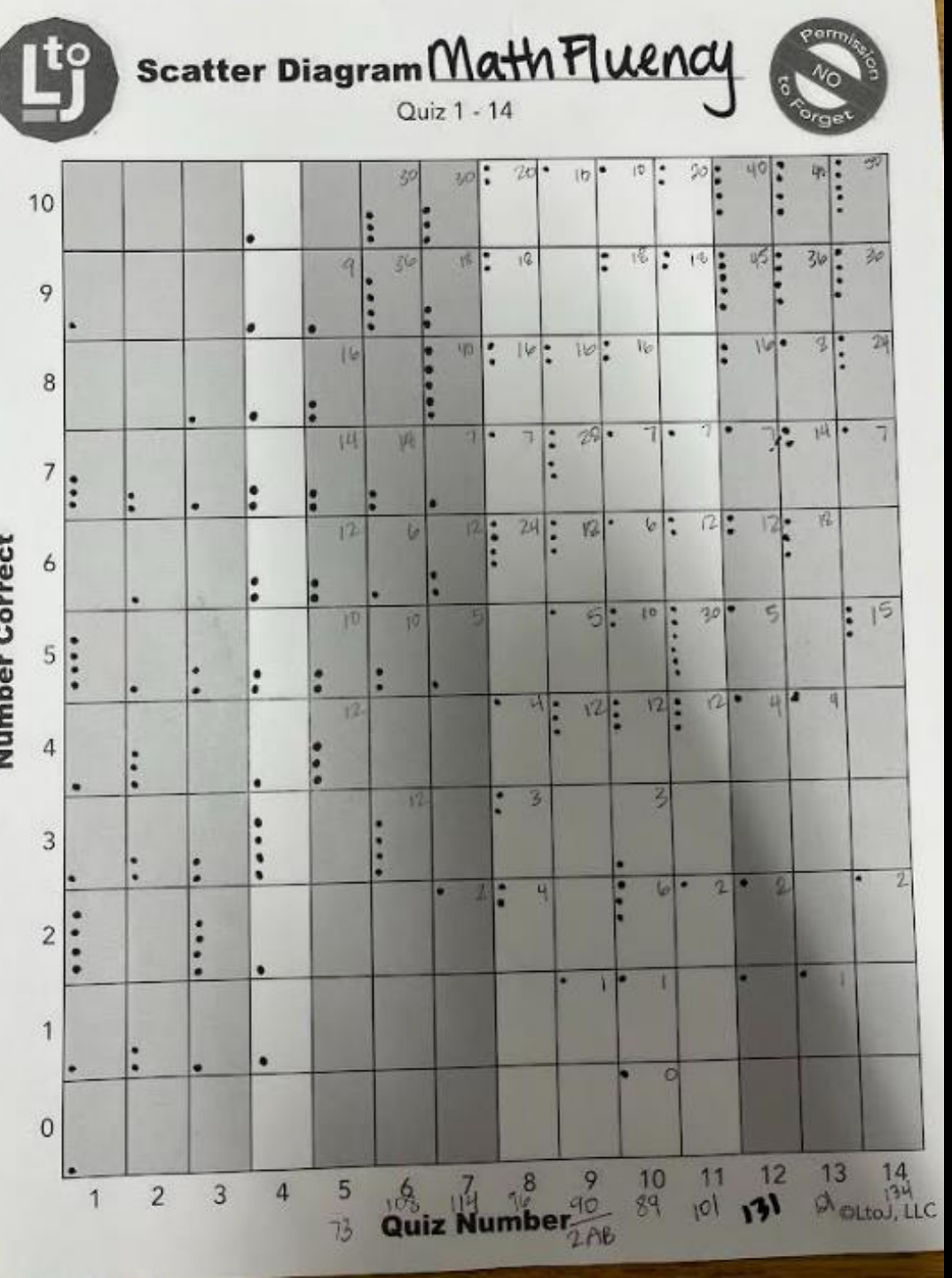
"L" in beginning
"Bell" in middle
"J" at end of year



John Hattie

Effect Size

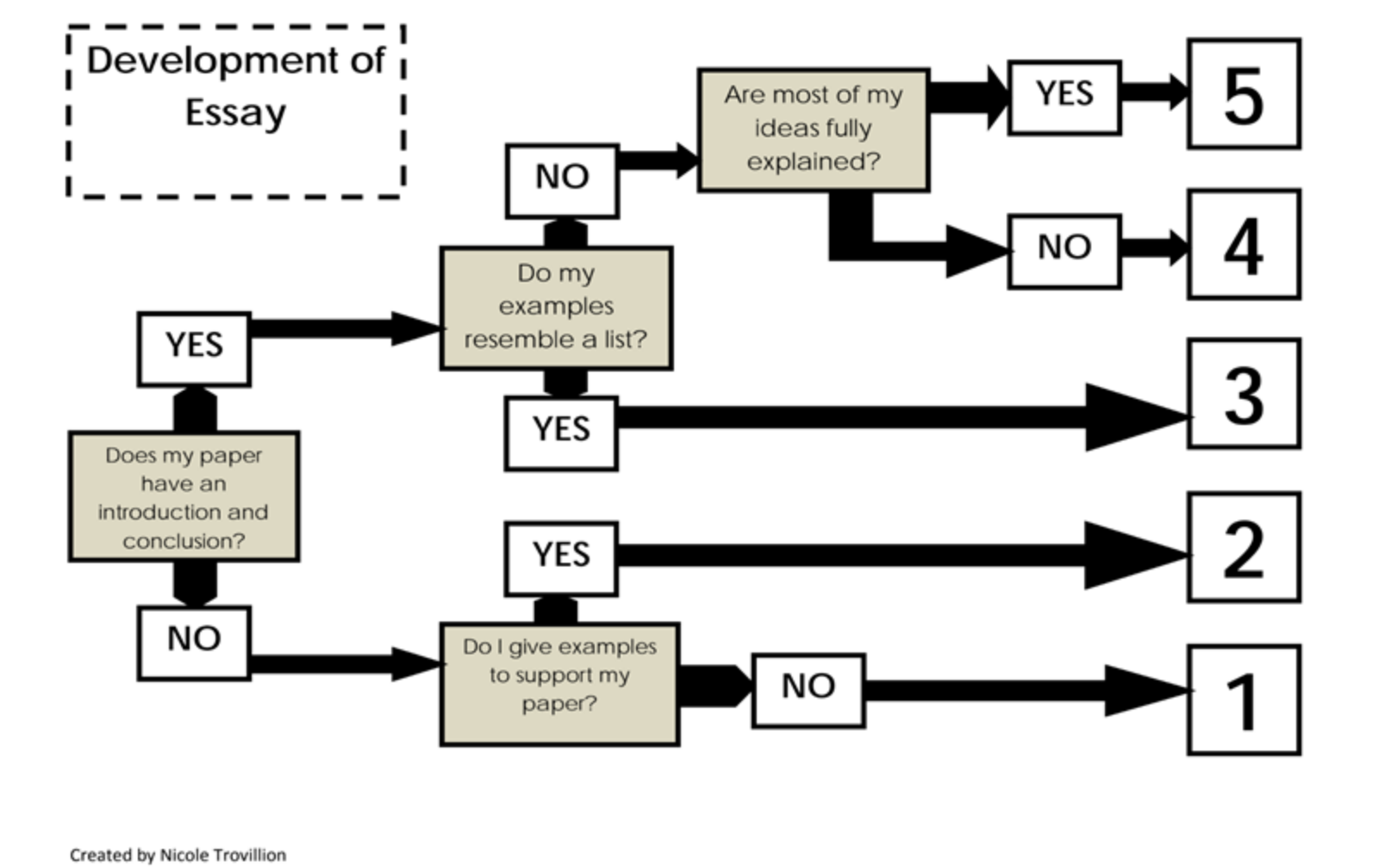
2.35 or
Six Times
Average
Influence



Create Scatter Diagram

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Dichotomous Rubrics



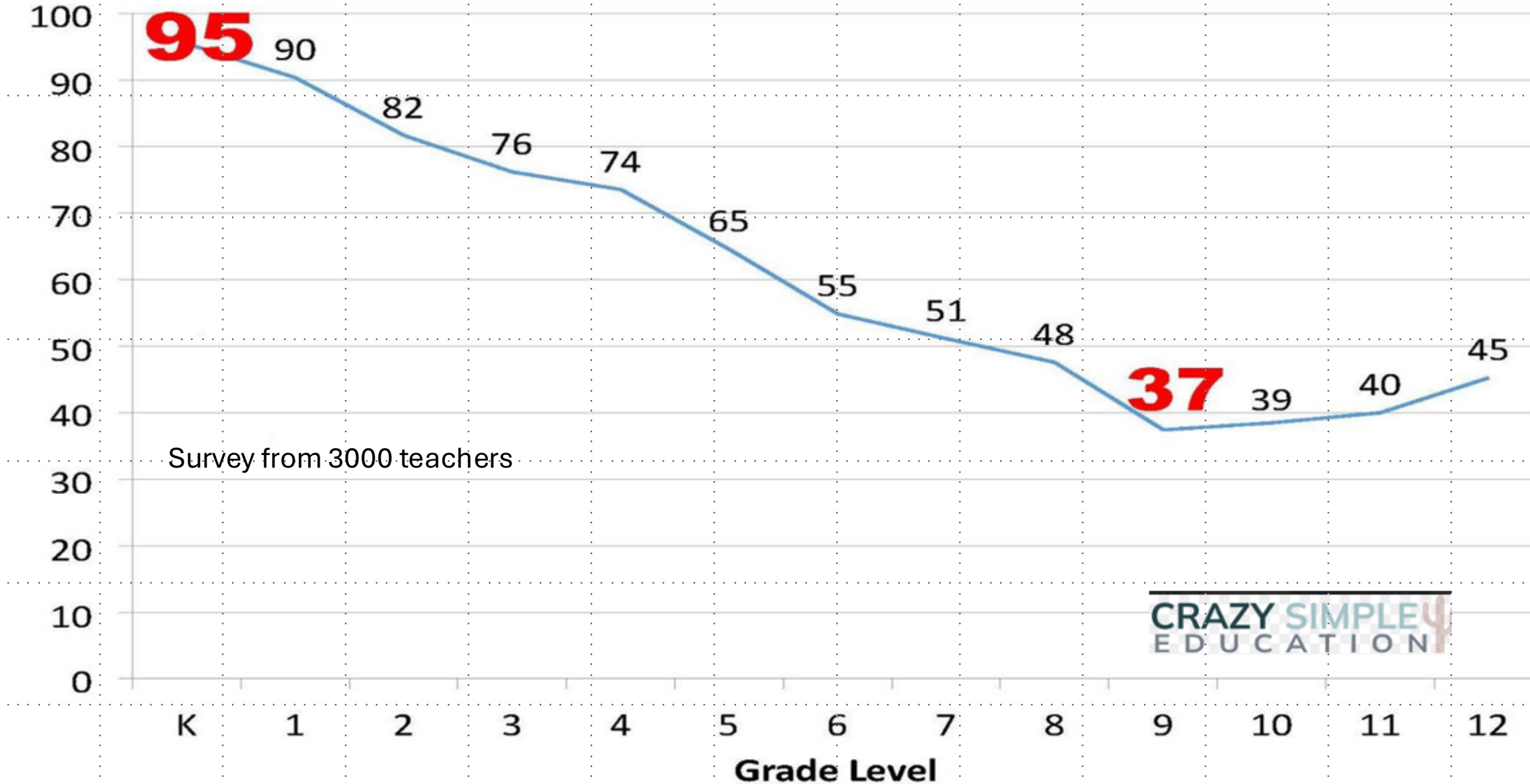
Accurate Measurement of Skill Attainment

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Favorite Part of School?

The Jenkins Curve



Survey from 3000 teachers

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The Future in Podcast #3

Teaching Revolution

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