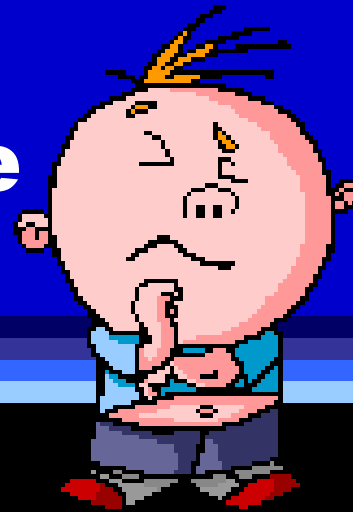




**Meaningful Math Management (M^3):
Cultivating Math Skills, Life Skills, and
Personal Accountability
in the Classroom**

Think-Write-Pair-Share



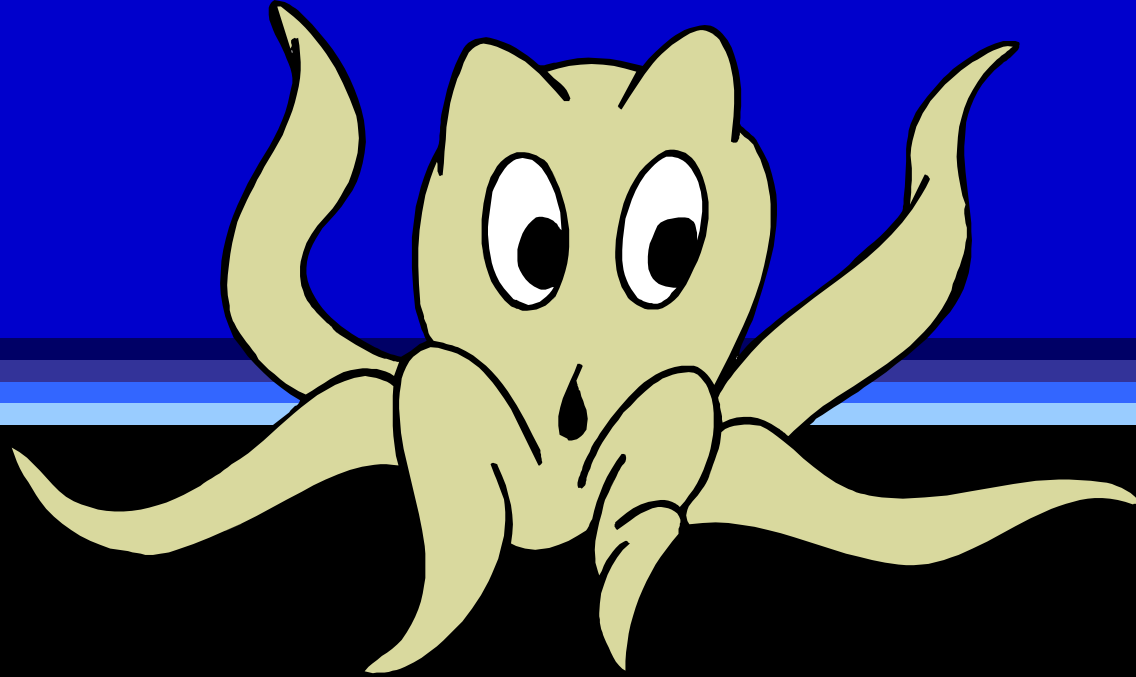
- **Think about each of the following quotes.**
- **Write or draw phrases or words from a quote that stand out to you.**
- **Think about what these quotes have to do with the topic for today.**
- **Find a partner according the rule.**
- **Share your thoughts with your partner.**
- **Be prepared to share what your partner thought with the whole group.**



Every day I get up and look through the Forbes list of the richest people in America. If I'm not there, I go to work. ~Robert Orben



**"It is not enough to have
great qualities; We
should also have the
management of them."
— La Rochefoucauld**

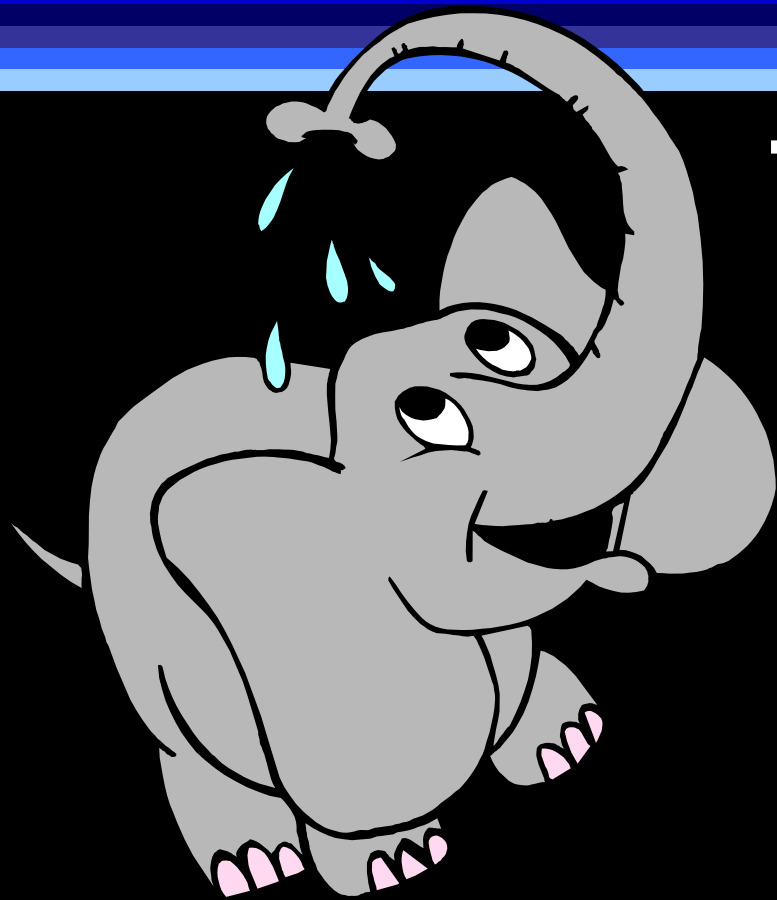


"Talent without discipline is like an octopus on roller skates. There's plenty of movement, but you never know if it's going to be forward, backwards, or sideways."

— H. Jackson Brown, Jr.

**"If you pick the right people and give them the opportunity to spread their wings—and put compensation as a carrier behind it—you almost don't have to manage them."
— Jack Welch**





The only reason a great many American families don't own an elephant is that they have never been offered an elephant for a dollar down and easy weekly payments. ~Mad Magazine



**"We are what we repeatedly do,
excellence then is not an act, but a
habit."**

— Aristotle



**A bank is a place that will
lend you money if you
can prove that you don't
need it. ~Bob Hope**

Where did this idea of
Meaningful Math
Management come
from?

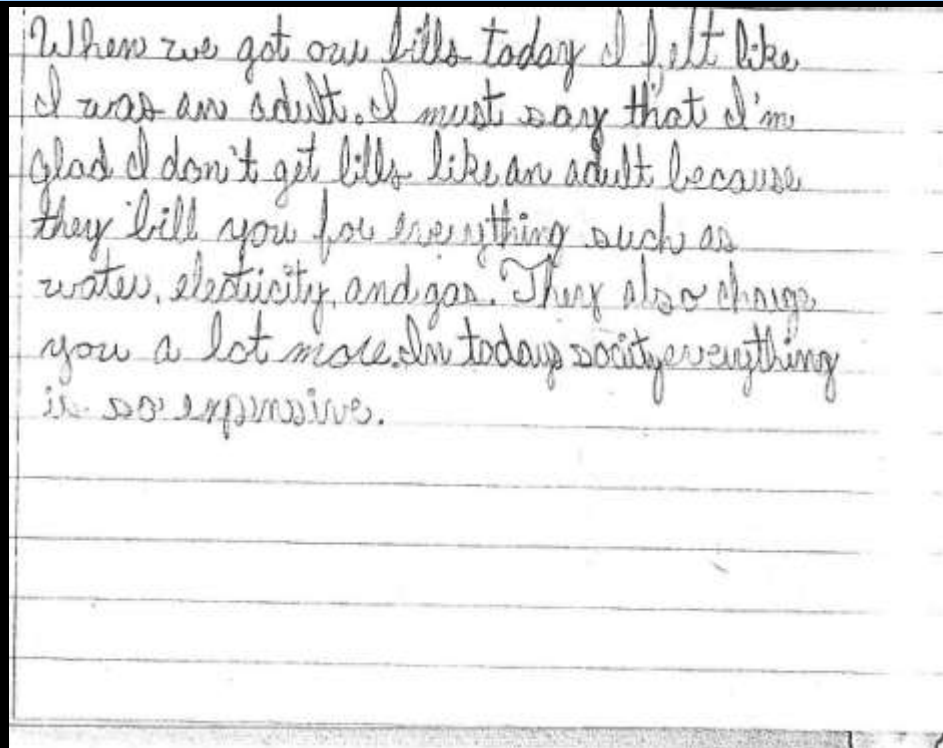
I was seeking a way to make the connection from real life to all the mathematical concepts my students were required to master.



I also thought that the ability to accumulate electronic funds would inspire & motivate them to manage themselves.

Why a checking
account?

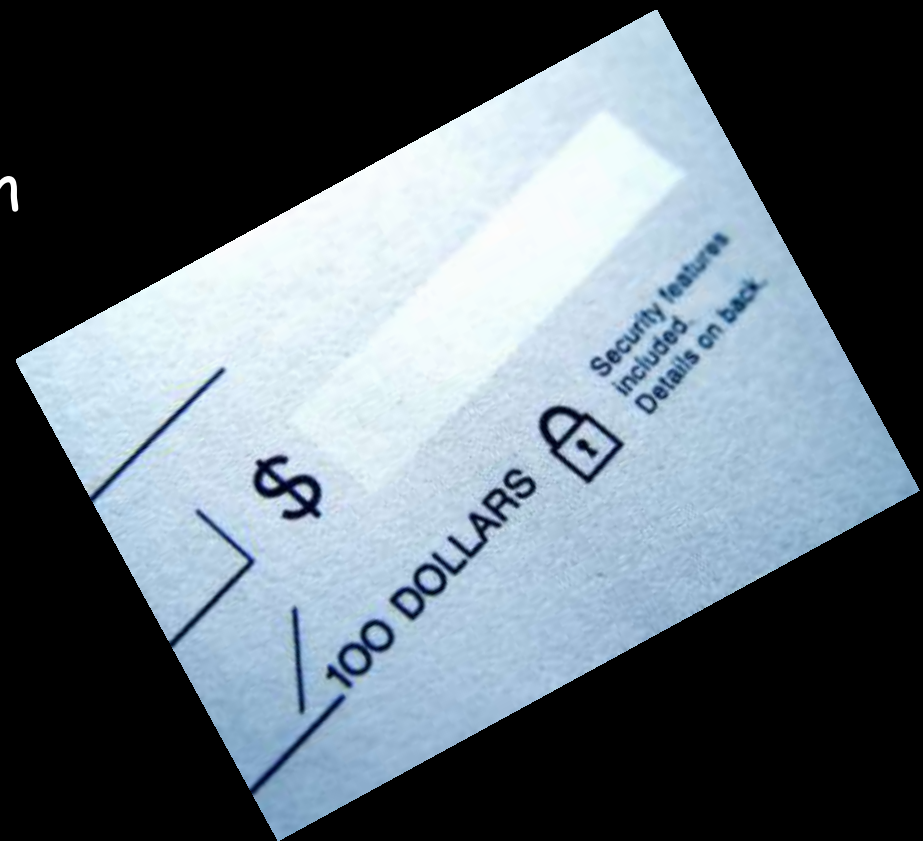
Simple...when you open a checking account & you keep it balanced...



...the skills you use are real-world & meaningful!

Just to make it interesting I decided that my students would:

- Earn income & pay debits
- Work off commission for extra income
- Pay rent for their books, desks, and materials
- Shop at the Tabor General Store each quarter
- Pay inflated prices
- And, pay taxes in April



Sample Paycheck

Francis T. Evans Student's Earnings Statement

Fourth Grade Student Mrs. Tabor's Class Francis T. Evans Elementary

Pay Date	1/14/94
Pay Period	Dec. - Jan.

Total Earnings	\$300.00
----------------	----------

Please record the above amount in your checking account book.

When we got our bills today I felt very independent because I could pay my own bills without any help. It really helps a persons self-esteem to know that he or she can pull they're own weight.

Sample Rent Payment

Francis T. Evans Elementary School
Student Billing Department

Name Jake Berry

Account # 4015

Jake Berry 6700 Road Six Table Five		1/31 19 94	004
Pay to the order of <u>Francis T. Evans</u>		\$ <u>100.00</u>	95-32/1070
<u>One hundred and No</u>			Dollars
Tabor-Evans BANK	Montgomery Office of Albuquerque, N.A. (505) 765-2211 • P.O. Box 25600 Albuquerque, NM 87125-5500		
For <u>Rent and Materials</u>		<u>Jake Berry</u>	
⑆ 107000327⑆ 01 5677718 7⑈ 1507			

When we got our bills today I felt sad. I had to depart with my money. My money was nice to me, I dropped a check and the bottom of my bill into a cold dark box.

Now I only have \$460.⁰⁰/_{xx} (pieces of dough) now. I could have sworn my check was crying. It broke my heart, Boy! I sure can exaggerate!

What skills, concepts,
& enduring
understandings are a
part of this type of
management system?

BOGGLE



- **Think about all the skills & concepts used in this checking account/management system.**
- **Write as many words or phrases as you can in the given amount of time.**
- **Partner up with someone. Give yourself one point for every idea they don't have.**
- **Circle the 3 most interesting responses you & your partner had.**
- **Be prepared to share the top ideas with the whole group.**



So, you've got my
attention.
How do I begin?

Have students generate a credit (ways to earn extra income) & debit list.

Tabor-Evans Checking Account Information

CREDIT:

•Student of the week/month	\$35.00
•No numbers for a month	\$30.00
•Team winner of the week	\$20.00/each
•Help another student, without being asked, to complete a major project	\$10.00
•Go "beyond" your classroom job	\$10.00
•Do "extra" homework	\$ 5.00
•No numbers in a week	\$ 5.00
•Complete all of daily work	\$ 5.00
•Team stays at whisper level all day	\$ 5.00/each
•Give Mrs. Tabor "extra" help	\$ 5.00

*Please record no more than 3 items per day for credit on your earned income sheet. This sheet will be turned in on Friday. Deposits into your account will be made on Mondays.

*All of the above items are subject to change if the Tabor-Evans C.E.O. desires.

DEBIT:

•Take something that is not yours	\$50.00
•Fighting	\$50.00
•Unnecessary bragging about checking account	\$50.00
•3 numbers in a day	\$50.00
•Overdrawn check	\$25.00
•Lost checkbook	\$25.00
•2 numbers in a day	\$25.00
•Poor behavior outside the classroom	\$10.00
•Not participating in cooperative learning	\$10.00
•Not being on task	\$ 1.00/per minute

*Checks will be written to Mrs. Tabor immediately when debit items occur.

- Credit:
- 1 Feed K.C \$1.00
 - 2 Clean room \$3.00
 - 3 Make bed \$00.50
 - 4 Help clean after dinner \$2.00
 - 5 Helping brother and sister \$10.00
 - 6 Having nails \$00.90
 - 7 Go to bed when time to \$00:20
 - 8 Give K.C water \$00.50
 - 9 Clean bathroom \$5.00
 - 10 No numbers for nine weeks \$15.00


- Debit:
- 1 Shower more than 15 minutes \$10.00
 - 2 Rolling eyes \$15.00
 - 3 Stomping \$20.00
 - 4 Talk back \$50.00
 - 5 Go past bed time \$10.00
 - 6 Stay on DS or any other screen for more than 2 hours \$15.00
 - 7 Watch parents on weekend \$20.00
 - 8 Any Disrespect \$100.00
 - 9 Yelling \$10.00
 - 10 Slipping \$00.50

I did the same thing with my own children at home...and, it worked!

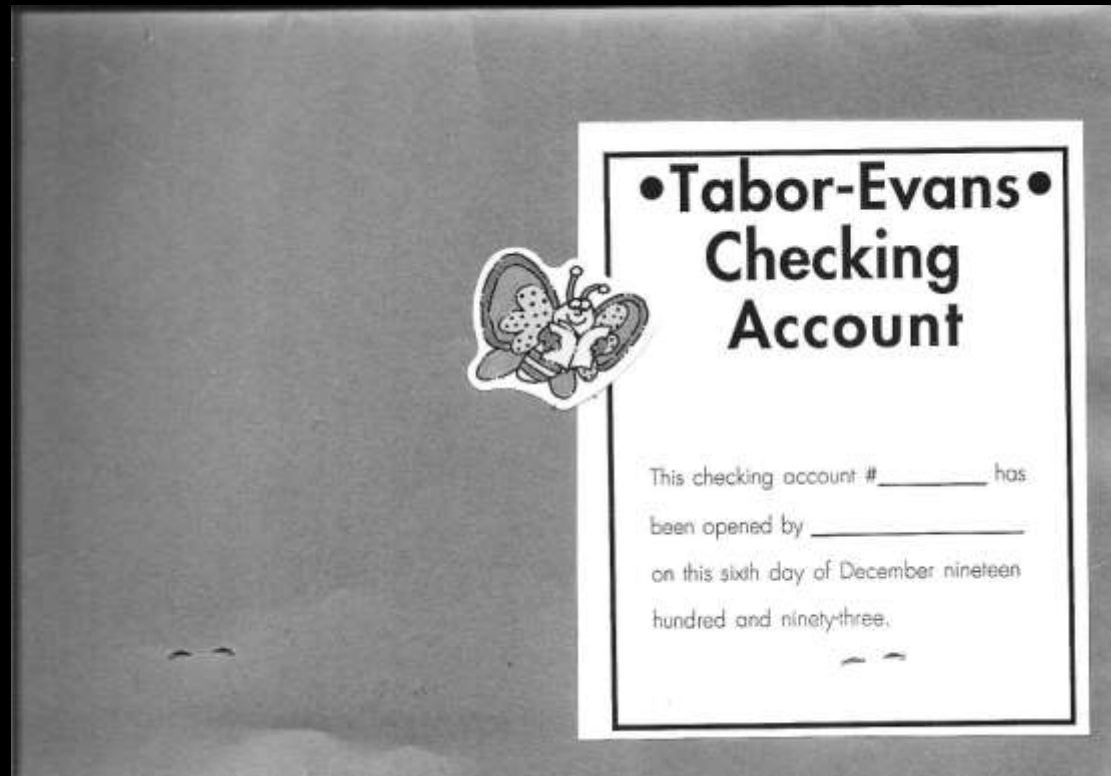
Sample Weekly Earned Income Sheet

Tabor-Evans Earned Income Record
Week Ending 12-17-93

ACCOUNT # 4014
NAME Astin

DESCRIPTION OF DEM.	DATE	AMOUNT
Extra Homework	M.C. 12-13-93	\$5.00
Extra Homework	M.C. 12-16-93	\$5.00
No numbers in a week	12-13-17	\$5.00
No numbers in a month		\$30.00
Go beyond classroom job	12-13-17	\$10.00
		
		NET TOTAL: \$55.00
<u>Astin Ross</u> Account Holder Signature		

Determine
how you'll
keep records,
report
income, and
pay debits.





**Take
applications for
the officers of
each class'
bank.**

Train the bank officers to check weekly income sheets, record rental payments, and check for a balanced checkbook.





Meet with each student to open an account with \$100 initial funding from you.



How do I keep (M³)
going?

Francis T. Evans Elementary School Student Bill

Fourth Grade Student
Mrs. Tabor's Class
Francis T. Evans Elementary

AMOUNT DUE FEB. 1, 1994	\$90.00	RENT FOR INDIVIDUAL STUDENT DESK FOR ONE MONTH
	\$10.00	BOOKS AND MATERIALS FOR ONE MONTH
TOTAL AMOUNT DUE		\$100.00

Please return portion below with payment. Make checks payable to Francis T. Evans Elementary School. Please write your account number on your remittance.

Francis T. Evans Elementary School
Student Billing Department

Name _____

Account # _____

AMOUNT PAID
\$ *

Charge rent &
pay salaries
on a regular
basis.

Open a "store" each quarter where the students may spend their money. Stock the store with school supplies, freebies, etc.



TABOR GENERAL STORES

Grand Opening Advertisement

Tabor General Store's Grand Opening

Tabor-Evans Bank has provided funding for the Tabor General Stores. The store will be open on Tuesday, December 21st. Patrons of the store will be the students from Mrs. Tabor's Fourth Grade Class.

The store's general manager promises that other shopping days will follow throughout the coming year.

Designer Stamp Sets
only
\$40.00

All you need to bring is your Tabor-Evans Checking Account Book. This will provide proof of funds to purchase items. Happy Shopping!!!

Fashionable
Holiday Pins
just
\$30.00

PRICES SLASHED ON ALL
TRACERS FOR THE
HOLIDAY SEASON
(selection may vary)

Please, only 4 items per customer.

JEWELRY DEPARTMENT
OFFERS LARGE ARRAY
OF EARRINGS AND
FRIENDSHIP BRACELETS

Buy a holiday card for someone you love. A large selection is now available. Only \$5.00 for each card.
(selection may vary)

See our TOY DEPARTMENT for:
Super Straws **Balloon Racers**
Giant Erasers
Fancy Magnets
And MUCH, MUCH MORE!!!

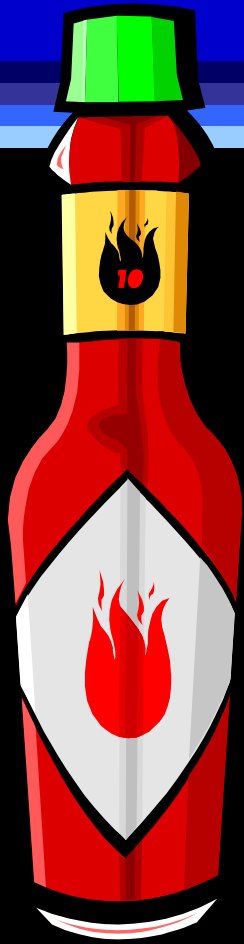
Inflate the prices at your store to help students become aware of the economy.

Accept applications for new bank officers every quarter. Have the previous officers train the new ones.





Invite bankers,
stock brokers,
and financial
advisors to visit
& share their
expertise with
your students.



What if I really
want to
**KICK IT UP A
NOTCH?**

Follow the stock market, have your students "invest" some of their funds, and share what they learned.



When we got our bills today I felt
overwhelmed with these bills especially since
we had to make out a check last week to
Mrs. Tabor. But it's nice having pretend
responsibilities. Just like our parents it's really
great! I wish now that we could just
have a house but I guess I could say
that because we're going to build a space
shuttle and room! I think Mrs. Tabor is
great.

Miss Emily Moore Table 2 pod 6	Jan 31 1998
Pay to the order of F.T. Evans Element School	\$100.00
One Hundred	Dollars
for	

Require all of
your students to
pay taxes by
April 15.

Add tax to the items at the store. Allow students to earn & apply discount coupons for rent & supplies. Increase their rent!

When we got our bills today I felt excited. I wanted to know how it would feel as an adult to get ^{a little} ~~one~~ 100 dollars isn't that much. I really liked getting it. I did because I knew that it wasn't going to be all of your money. Besides you can always earn the money back by helping and by getting earned income. I also liked it because I liked seeing all of the other peoples reactions to the amount we had to pay. I thought that it was nice to have the responsibility.



What else could you
add to your
Meaningful Math
Management (M^3)?

Talking Chips



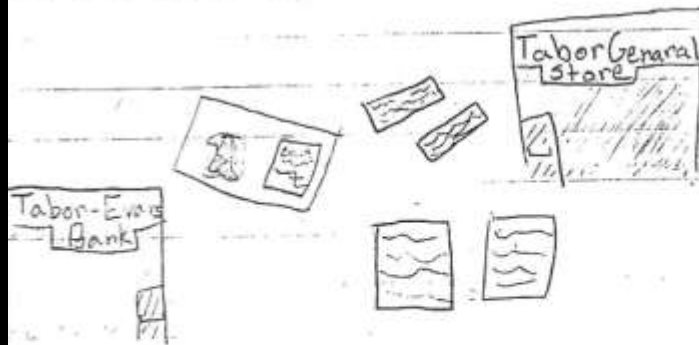
- **Think about the information presented.**
- **Write down 5-10 different ideas about the topic.**
- **Write your name on a “talking chip.”**
- **Take turns placing your chip in the middle of the table and sharing one of your ideas.**
- **Allow others to share until all “chips” are in the middle.**
- **Take your chips back and begin to share again.**
- **Continue as time allows.**



Time for Reflection

Think about yourself as a learner. Describe how you would have benefited from this type of classroom management system. Share a few of your thoughts with your group in a round-table reflection.

When we got our bills today I felt hurt. But, I guess it's not as bad as adults. They have to take 600 to 1,000 dollars out. It was very fun. I don't know how Mrs. Tabor thought of it but, I'm sure glad she did.



Is it worth the time & the effort to do something like this?

Yes!!!

Today when we went shopping at Sabay General Store, we could get only six items. I only got four items. We could only get one thirty or forty dollar thing. I could have gotten a ball on a racer, but I didn't. I had a lot of fun writing checks and recording my balance. Mrs. Tabor made the prices big, because we had a lot of money. I had fun, I only had 45 dollars left after I shopped. It was just like shopping in a Christmas store. Now I know what it feels like to be a parent. I also learned that money doesn't buy much unless you're a smart shopper. At the store I wrote my first check. Every one at my table was smart on spending their money. I don't know about everyone but I know I did. I'm glad we ever got to have the Store. If we didn't I wouldn't have such great gifts for my family. I owe it all to Mrs. Tabor. Thanks alot!!

you're
welcome!



Classroom Implementation

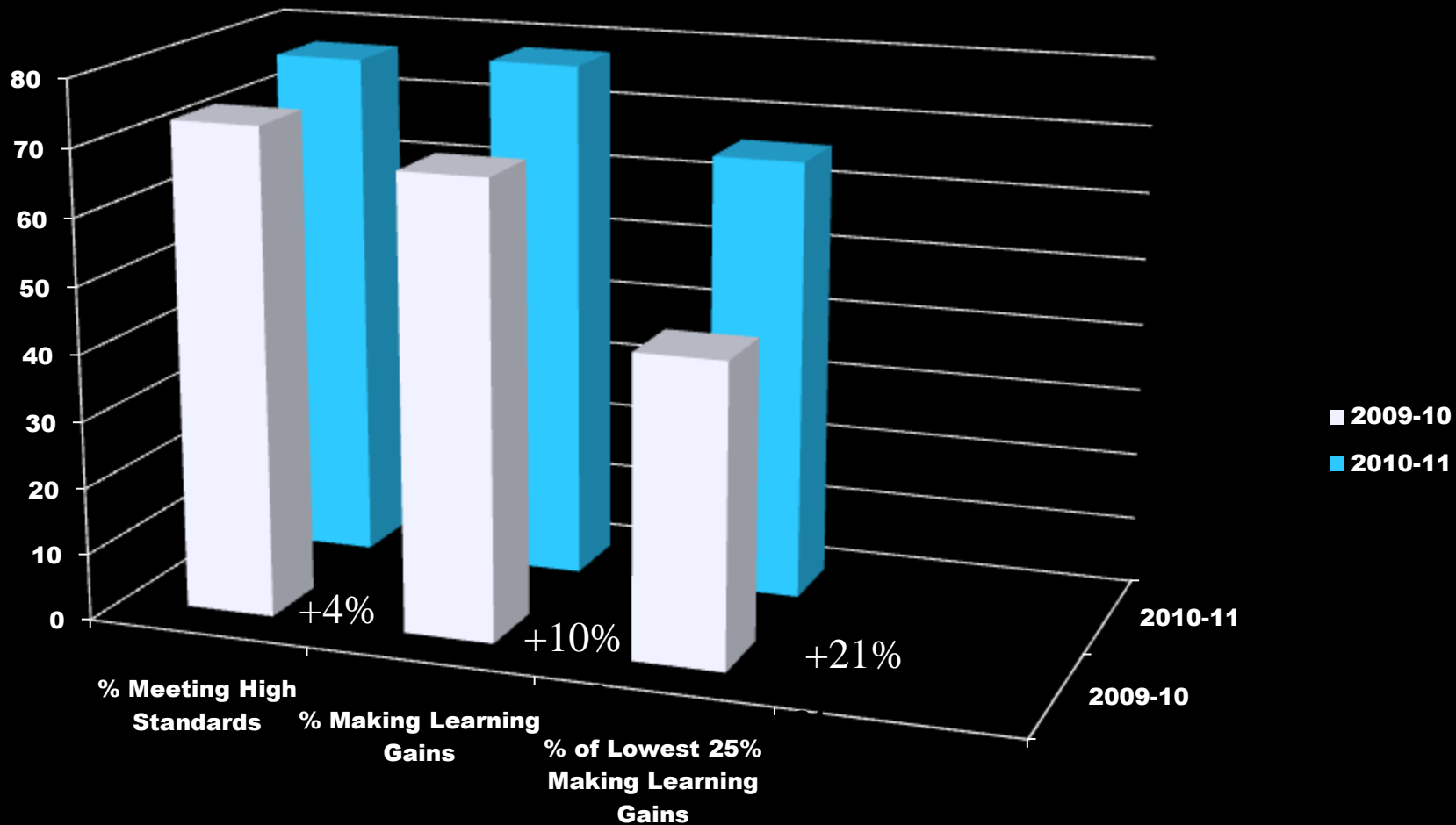
Make a list of everything you need to do to put Meaningful Math Management (M³) into your classroom. Put a date next to each item. Share this information with a partner.



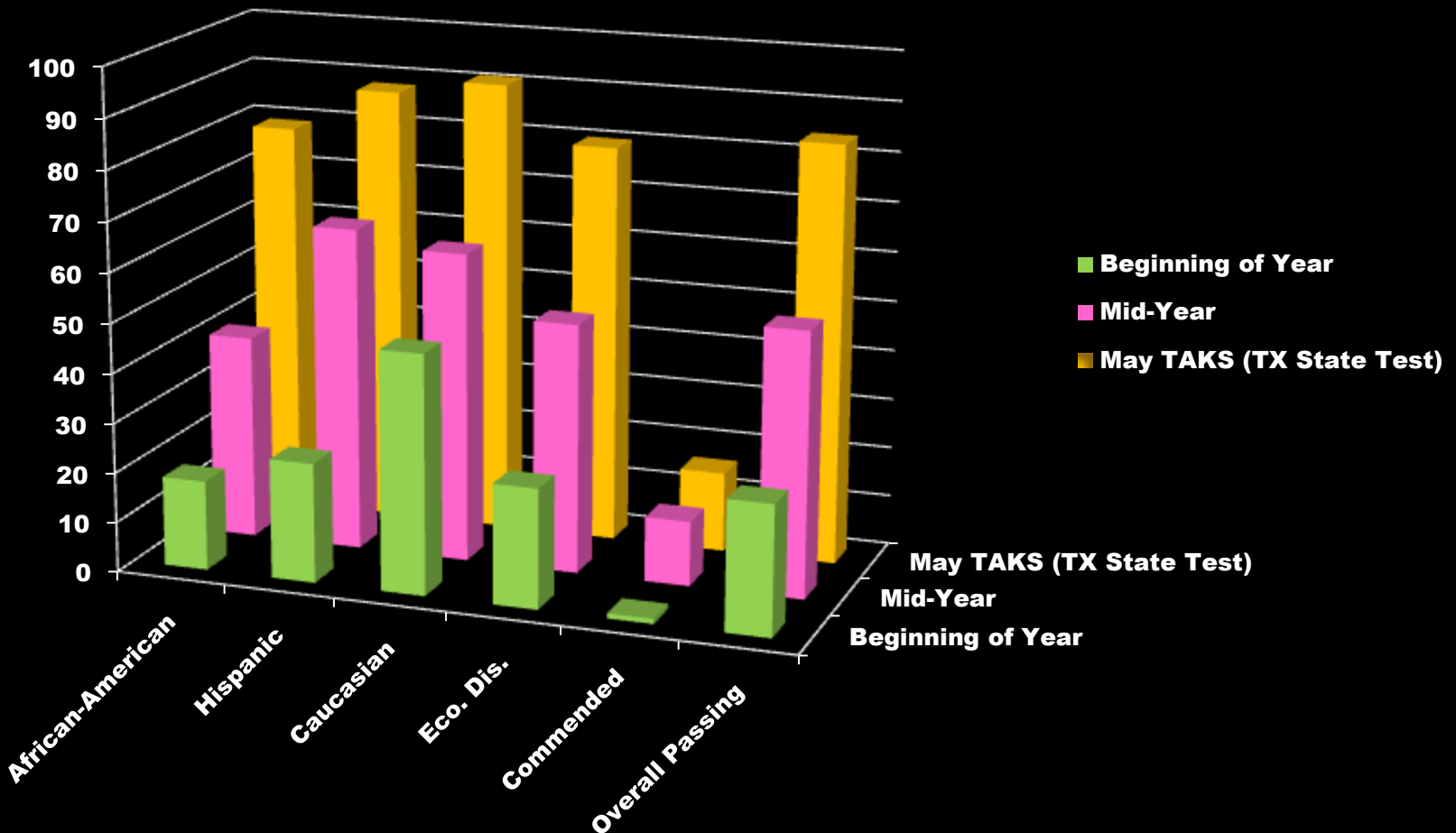
You will get results if
you implement this
type of strategy in
your room!



Results after just 1 semester of Implementation of Tabor Rotation



Intermediate Level Results After a Spring Semester of Tabor Rotation



+38%

+23%

+29%

+30%

+3%

+31%

RTABOR TATION

DVD Training Series
SECONDARY LEVEL

The Perfect Framework for Simplifying Small-Group, Differentiated Instruction

Chapter Selection

ESSENTIAL ELEMENTS:

- Pre-Assessment
- State & National Standards
- Simultaneous Instruction
- Daily Vocab Vocabulary
- Whole-Group Mini-Lesson
- Leadership Academy
- Team Roles
- Math Journal Writing
- Clipboard Grabbing
- Grouping
- Rotation to Four Stations
- Tiered Instruction
- Exit Questions
- Effective Management

A WEEK OF TABOR ROTATION:

- Day One
- Days Two & Three
- Days Four & Five

Why would junior high math students rather continue working on...concepts and measurement concepts than go outside for PE? How do you get high school algebra students to look up, smile, and say, "I get it now?" The simple answer is TABOR ROTATION.

In this DVD, Glenn Tabor shows you how to use her award-winning, differentiated instructional framework to keep every student engaged, challenged, and communicating with each other.

As a nationally recognized educational thought leader and practitioner, Glenn shows teachers how to shape instruction to best meet the needs of all students.

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