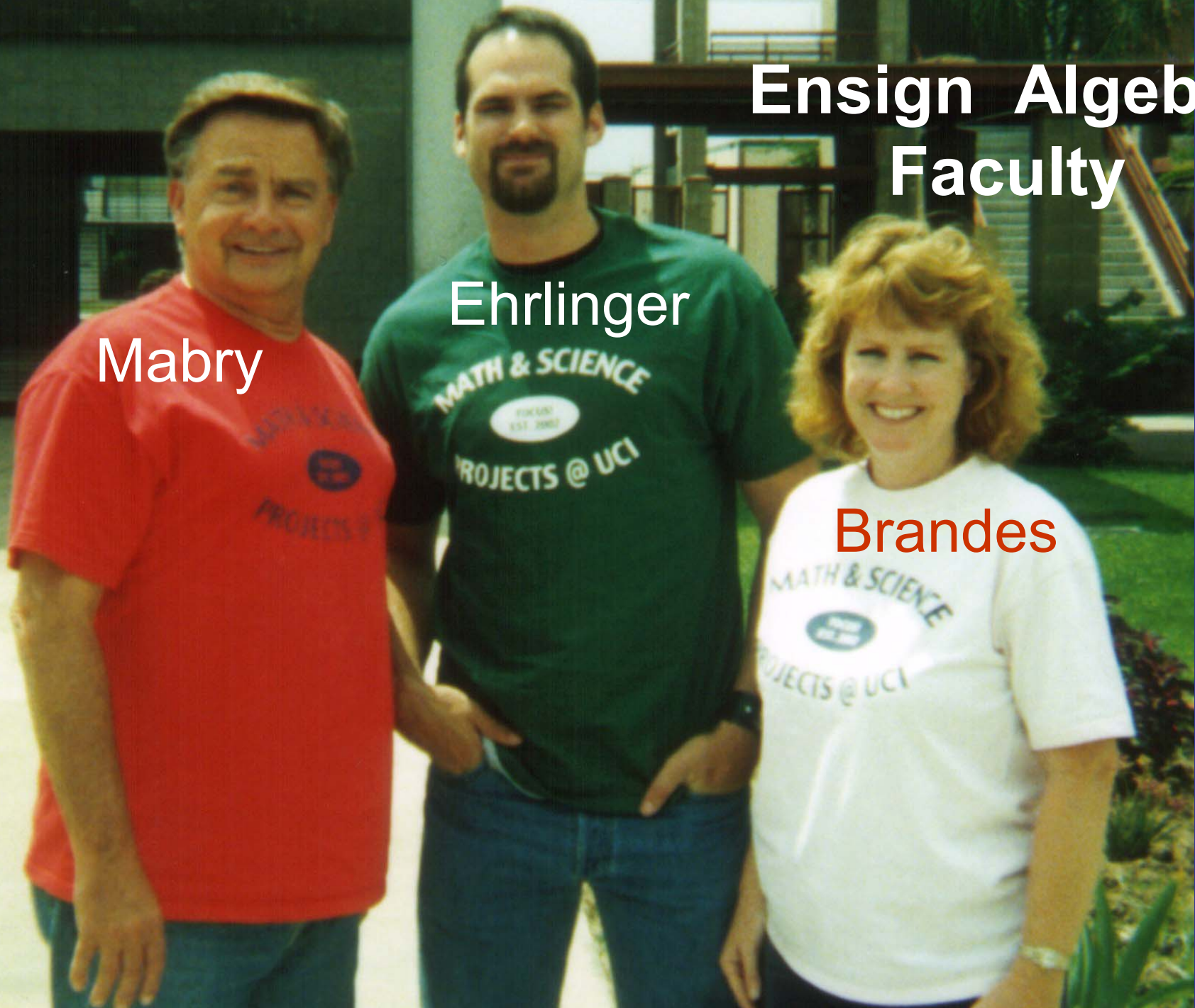


Ensign Algebra Faculty

Mabry

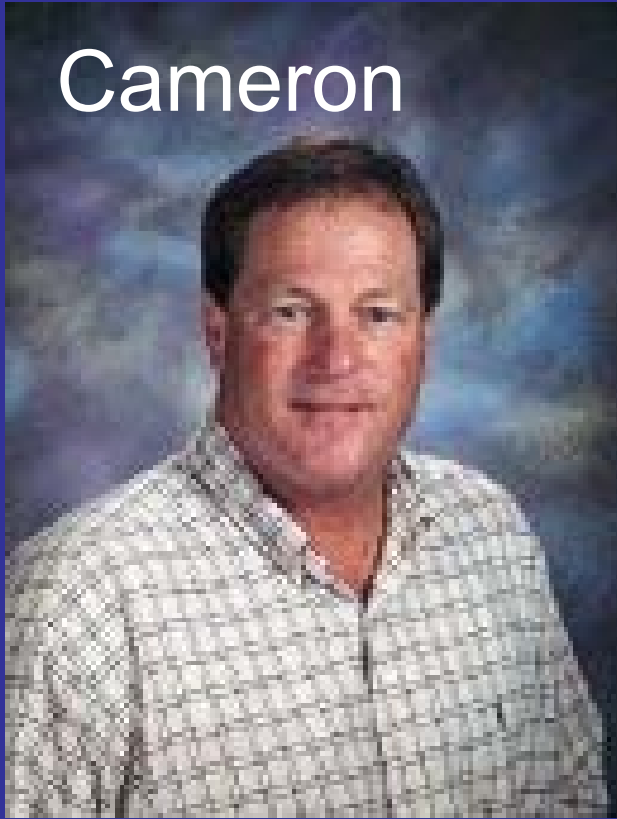
Ehrlinger

Brandes



Ensign Algebra Faculty

Cameron



Sax



Metcalf



Roxana
Rain



Your Son/Daughter's Math "Career Path"

7th

Algebra
AB

All students except
No "grouping" by ability

Algebra -1

8th

Algebra
CD

All 8th grade regardless of AB

Geometry

NHHS

1. Geometry
2. Algebra 2
3. Trig-PreCalc
4. Calculus

A or B grade required
C; Entrance Exam
Others take Algebra 1
again

Math Department
7th Grade Report Card

	2003	2004	2005
% Ensign students proficient	39	36	49
NMUSD	35	36	45
Capistrano	46	50	55

8th Grade Report Card

	2002	2003	2004	2005
Geometry	72	88	97	100%
Algebra (195)	17	32	45	52%
Basic (343)	25	31	26	23 %

8th Grade Algebra

	2003	2004	2005
Ensign	32	45	52
CDM	55	50	54
NMUSD	38	31	42
County			59
State			34

8th Grade Forecast

	2002	2003	2004	2005
Geometry	72	88	97	100%
Algebra (195)	17	32	45	52%
Basic (343)	25	31	26	23 %


$$(.52 \times 195) + (.23 \times 343) = 33\%$$

Typical Business Review

“Earnings Forecast”

7th Grade CST scores up again:
49% → 52%

8th Grade ALGEBRA CST scores:
52% → 33%

One Challenge

Remediation

- Special classes with worksheet after worksheet simply was not effective.
- Math in Elementary is being upgraded.
- Algebra: no more calisthenics. Lets run some pass plays.
- “Catch them doing something right”
- 2-year pace allows lots of “just-in-time” teaching (ie, how to divide fractions)

Remediation ... we can do more

- Silent Reading → Algebra Tutorial
- After School tutorials.
- Computer-assisted tutorial: engaging?
Computer lab availability? Race example.
- Math Tutorial as an elective.
- If **absent**, post lessons on website for students (and parents!)

Another Challenge for the higher-achieving Student

- Smart Boards allow fast pace and time for more depth and problem solving.
- Vary the delivery of instruction: Use Quizdom to play Algebra-Jeopardy.
- Post grades online so that you as a parent can monitor your students progress.
- 2-year Algebra has made me a better teacher. Scaffolding. Bite-sized chunks.