

Preface You may watch a video of this at www.HomeSchoolerToday.com/P

If you are interested in mathematics education, then this book is for you!

I have been involved in math education at all levels for 75 years as of 2019. You may learn about me at: <https://craighane.com/>

As you will learn in this book I have been dedicated to creating a new Math Curriculum and Delivery System for over fifty years which was impossible until just a few years ago.

I was born in 1938 and lived in a small cabin in the woods five miles south of Greencastle, Indiana on the banks of Deer Creek the first twelve years of my life. In 1942-3 WWII was raging and most fathers of young children were heavily involved in the war effort.

I was fortunate to live next door to my Uncle Jack who was a 60 year old barber and builder. At age four and five Uncle Jack taught me to count and later on practical geometry. I was thus homeschooled in math.

When I entered the first grade at Putnamville I was the only child who had been taught to count. My teacher, Miss Lewis, then had me help her teach my classmates to count. My first teaching experience! Wonderful for many reasons,

Uncle Jack then taught me a lot about practical geometry for building and it seemed like I always knew more math than my teacher through the 8th grade. You may learn more about at the Free Resources at

www.HomeSchoolerToday.com Hit the Educational Tab and the Elementary Math Video Tab. <https://learnplayconnect.com/elementary-math-videos/>

Then I hit my first brick wall, Algebra in the 9th grade. I didn't do well and was advised by my counselor and principal that I should not plan to go to college. "Just study "shop" and get a regular job like the rest of your family", none of whom had ever gone to college.

Fortunately, I was 'rescued' by two great math teachers, Miss Madonna O'Hair at Greencastle High School, and Dr. Clint Gass at DePauw University. Long story I tell elsewhere.

I then taught high school math for about 12 years both as a tutor and classroom teacher (1954 - 1966). I learned that I could do a much better job for most students as a tutor than I could as a classroom teacher. This led to what I call SPIKE Pedagogy.

Then after obtaining my Ph.D. in Math at Indiana University, I taught advanced University level Math for 7 years (1966 -1973) at Indiana State University and Rose Hulman Institute of Technology, both in Terre Haute, Indiana.

Then I applied Math to many business ventures for several years culminating in 25 years teaching thousands of technical workers in many industries practical technical subjects. Many stories to tell there. Math has applications to so many things!

You may see what we did at: <http://www.hanetraining.com/> Many technical subjects taught by many instructors, starting with me and my first Workshops on Op Amps, Digital Electronics, and Microprocessors.

Most of the technical workers were deficient in math knowledge and skills when they enrolled in one of our many workshops, and we had to first teach them enough math to be able to learn the technical subject.

This was the basis for creating: <http://www.workforcemath.com/>

This became the first two Tiers of a Six Tier Program for all students as you will learn all about in this book.

Today, thanks to modern technologies a Homeschool Parent can deliver a wonderful Math Education to any student that is vastly superior than what the Public School Math programs can deliver.

That's what this book will explain in great detail. As you can imagine, this is a very complex and controversial subject.

In each Chapter we will discuss some aspect of this situation succinctly and then direct you to a video which explains it with both audio and visual content, and directs you to additional resources. This is in place of an Index which just directs you to other books.

So, this may be a new experience for you.

First read the beginning of a Chapter to decide if it is something that is of interest to you. If so, read on, OR watch the Chapter video. And, then you can go on beyond that and read an appropriate reference ebook or watch an appropriate additional video.

The goal is to give each reader the information of interest to that reader as efficiently for the reader as possible.

Craig Hane, Ph.D. aka Dr. Del

Remember our Mutual Goal is to give each student an Optimal Math Education that fulfills the student's broader ambitions and goals in life. And, Believe it or Not . . .

HomeSchool Math can be vastly Superior to Public School Math

This Book is about the "How and Why..." this is true.

Enjoy!