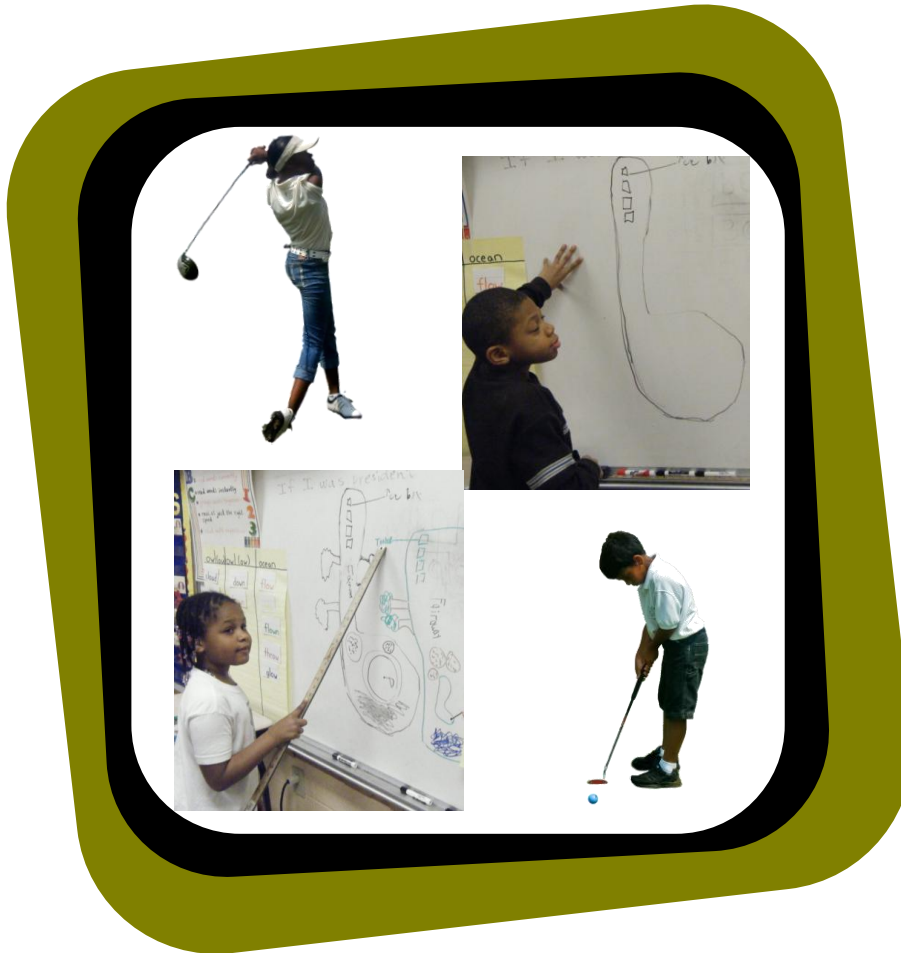




## Understanding Math thru Golf



### Tennessee Valley Youth Golf Development

March 6, 2012  
Volume 1, Issue 1

#### GIVING YOUTH A GIFT FOR LIFE-YOUTH LIFE & GOLF SKILLS

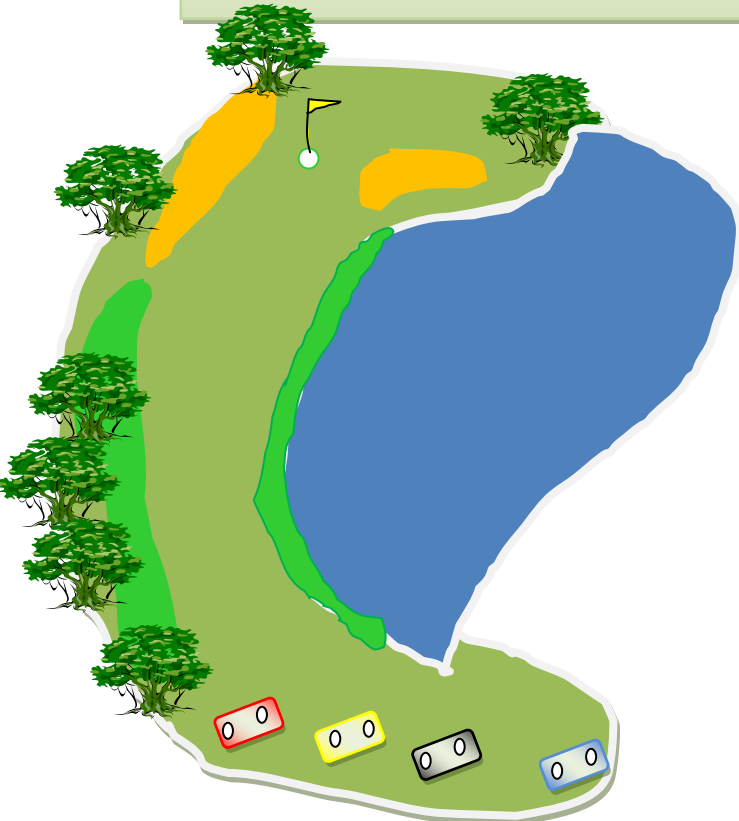
The purpose of this book/program and interactive game is to introduce students in grades 2 – 5 to math and life skills using golf as the context. Programs will include after school tutoring, mentoring, summer enrichment, and academic and athletic activities. The program has multiple effects including: increasing interest and expanding the understanding of math, introducing more youth to the game of golf and character development. In addition, **I propose we establish “elementary and middle school” golf teams. These teams will develop players and grow into a feeder program for high school golf teams.**

**Par** The golfer has taken as many strokes as the hole's par number.

- 🚩 Par (0) is a predetermined number of strokes that a scratch golfer should require to complete a hole.
- 🚩 Birdie (-1), a score of one under par on any given hole in the sport of golf
- 🚩 Bogey (+1) a score of one over par on any given hole in the sport of golf
- 🚩 Eagle (-2) two scores under par

LIFE & GOLF SKILLS INCLUDE  
MATH, ART AND CREATIVITY

To supplement their math curriculum, we  
use golf terms and golfing demonstrations

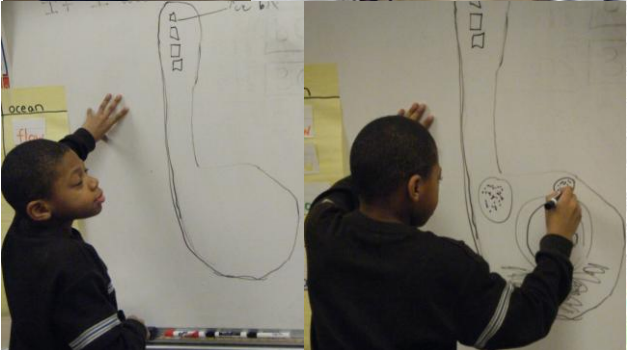
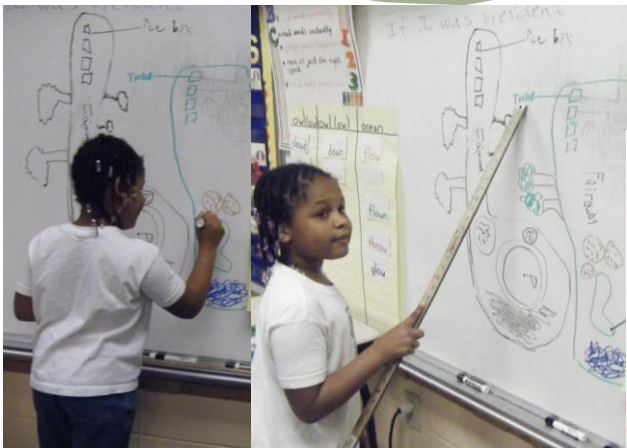


**Scenario A,**

**Hole 1, Par 4, 389 Yards, from the blue tees**

**Mike hit the ball 250 yds into the fairway**

- 🚩 **Question #1:** how many yds does he have left to the hole? \_\_\_\_
- 🚩 **Question # 2:** how many strokes does he have to make par? \_\_\_\_
- 🚩 **Question # 3:** how many strokes does he have to make a birdie? \_\_\_\_



Hole	Rating / Slope	1	2	3	4	5	6	7	8	9	Out
Gold	78.9 / 142	424	370	572	465	203	617	191	435	417	3894
Blue	73.9 / 138	378	319	491	426	164	552	164	412	375	3281
White	69.1 / 126	343	274	445	375	144	504	137	339	347	2908
Handicap		11	13	5	3	15	1	17	7	9	
Par		4	4	5	4	3	5	3	4	4	
White	74.5 / 133	343	274	445	375	144	504	137	339	347	2908
Red	71.4 / 123	313	243	412	325	124	467	107	296	299	2586
Handicap		11	10	3	5	15	1	17	7	9	

# Hole # 1 - Par 4 - 259 Yards

## Game #1 Player A, 2<sup>nd</sup> Grade

Player A

For her first swing she hit her ball from the tee box 125 yards into the middle the fairway...

**?** Question #1: how many yards does she have to the hole? Answer 134 yards

**?** Question #2: how many strokes does she have to make par? Answer 3

**?** Question #3: how many strokes does she have to make a birdie? Answer 2

**?** Question #4: how many strokes does she have to make a bogey? Answer 4

Player A

Hit her second shot from the middle of the fairway and the ball land 2 yards from the whole...

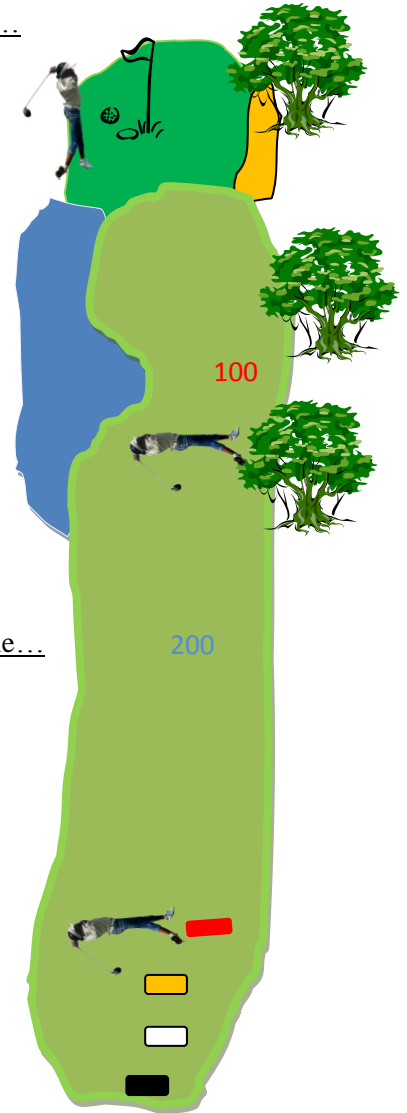
**?** Question #5: how many yards did she hit her ball? Answer 132 yards

**?** Question # 6: how many yards does she have to the hole? Answer 2 yards

**?** Question #7: how many strokes does she have to make par? Answer 2

**?** Question #8: how many strokes does she have to make a birdie? Answer 1

**?** Question #9: how many strokes does she have to make a bogey? Answer 3



## Hole #2 - Par 4 - 259 Yards

### Game #1 Player A, 2<sup>nd</sup> Grade

Player A

For her first swing she hit her ball from the tee box 138 yards into the middle the fairway...

**?** Question #1: how many yards does she have to the hole? Answer 121 yards

**?** Question #2: how many strokes does she have to make par? Answer 3

**?** Question #3: how many strokes does she have to make a birdie? Answer 2

**?** Question #4: how many strokes does she have to make a bogey? Answer 4

Player A

Hit her second shot from the middle of the fairway and the ball land 10 yards from the whole.

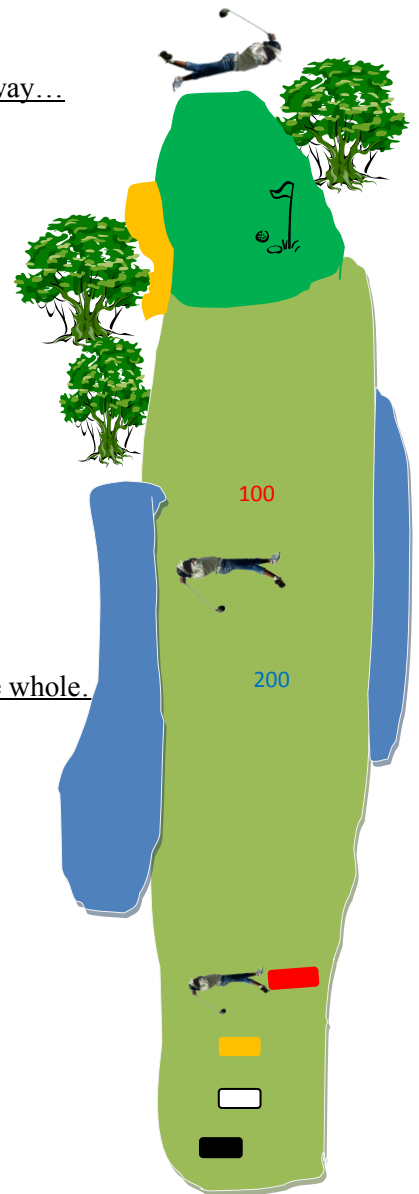
**?** Question #5: how many yards did she hit her ball? Answer 111 yards

**?** Question # 6: how many yards does she have to the hole? Answer 10 yards

**?** Question #7: how many strokes does she have to make par? Answer 2

**?** Question #8: how many strokes does she have to make a birdie? Answer 1

**?** Question #9: how many strokes does she have to make a bogey? Answer 3



## Hole #3 - Par 5 – 436 Yards

### Game #1 Player A, 2<sup>nd</sup> Grade

Player A, for her first swing (1<sup>st</sup>) she hit her ball from the tee box 201 yards into the middle the fairway...

🚩 Question #1: how many yards does she have to the hole? Answer 235 yards

🚩 Question #2: how many strokes does she have to make par?\_ Answer 4

🚩 Question #3: how many strokes does she have to make a birdie?\_\_\_ Answer 3

🚩 Question #4: how many strokes does she have to make a bogey?\_\_\_ Answer 5

Player A hit her second (2<sup>nd</sup>) shot 196 yard to the right side of the fairway

🚩 Question #5: how many yards did she hit her ball?\_ Answer 196 yards

🚩 Question # 6: how many yards does she have to the hole?\_\_\_ Answer 5 yards

🚩 Question #7: how many strokes does she have to make par? Answer 3

🚩 Question #8: how many strokes does she have to make a birdie?\_\_\_ Answer 2

🚩 Question #9: how many strokes does she have to make a bogey?\_\_\_ Answer 4

Player A hit-putt her third (3<sup>rd</sup>) shot and the ball rolled 6 yards

🚩 Question #10: how many strokes does she have to make a par? Answer 2

🚩 Question #11: how many strokes does she have to make a birdie?\_\_\_ Answer 1

🚩 Question #12: how many strokes does she have to make a bogey?\_\_\_ Answer 3

Player A hit-putt her fourth (4<sup>th</sup>) shot and the ball rolled 12 inches from the hole

🚩 Question #13: how many feet is the ball from the hole? Answer 1 foot

🚩 Question #14: how many strokes does she have to make a par? Answer 1

🚩 Question #15: how many strokes does she have to make a birdie?\_\_\_ Answer 0

🚩 Question #16: how many strokes does she have to make a bogey?\_\_\_ Answer 2

Player A hit-putt her fifth (5<sup>th</sup>) shot and rolled the ball in the hole

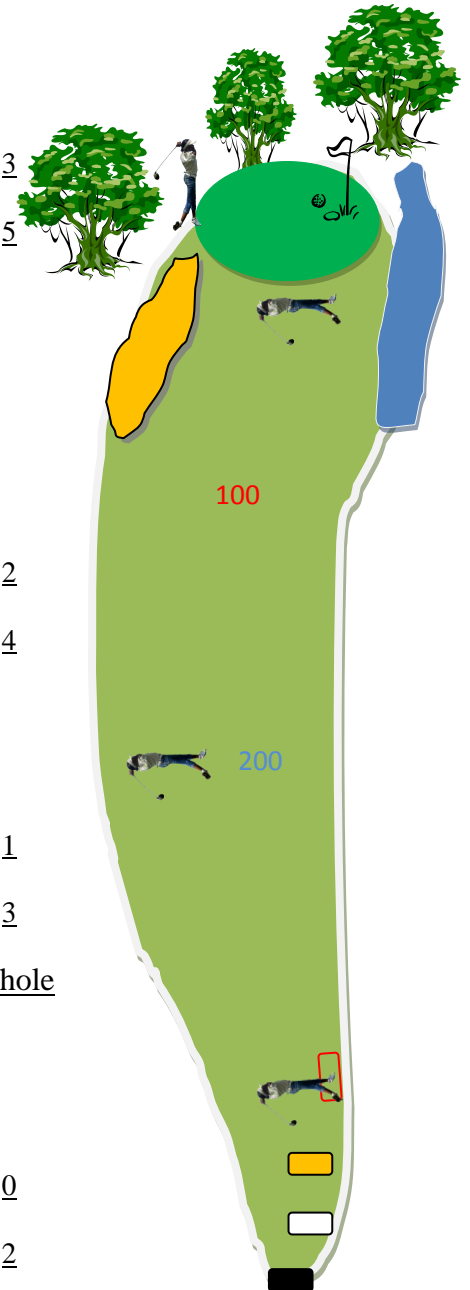
🚩 Question #17: What is her score in both number(s) and word(s)?\_\_\_ Answer even/0 and par

Player A hit-putt her fifth (5<sup>th</sup>) shot and rolled the ball 5 inches pass the hole

🚩 Question #18: What is her score in both number(s) and words? Answer +1 and bogey

Player A hit-putt her fourth (4<sup>th</sup>) shot and the ball rolled in the hole

🚩 Question #19: What is her score in both number(s) and words? Answer -1 and birdie



Par	4	4	5	4	3	5	4	3	4	36
Player A score	4	3	7	2	3	4	5	2	5	35
The difference between par and your score	0	-1	+2	-2	0	-1	+1	-1	+1	-1

### Golf terms and language

Golfers use words and numbers together to explain their score, an example is:

**For nine holes, Player A is one under par or -1 /**

Numerical golf talk include: even/0, -1; +1

Words golf talk include: par/even; birdie/-1/one under; bogey / +1 / one over par

Each question will have a numerical value to determine /measure the students' degree of understanding the math and golf concepts. Q 1 value 2, Q2 v4





### Definition of a stroke

When you are on the green is when you putt-roll the ball to the hole

You putt-roll the ball to the hole when you are on the green

(Which one do I use?)

You swing the club when you are hitting the ball:

-  Toward the green
-  Out of the sand and other locations around the golf course
-  From the Tee Box
-  A shot is also a swing of the club

A golf player will use several different golf clubs to stroke the ball

A golf player will use several different golf clubs when swinging at the ball

(Which one do I use?)

Basic measurement:

**3 feet =/equal 1 (one) yard; 1 foot = 12 inches**

I am redundant with the questions and answers scenarios because I want to ensure the student understand the concept.

### **Family Structure and Historical Norms**

Unfortunately, many of youth that would benefit from golf will never have the opportunity, because of family structure and historical norms. In too many homes the family structure is a single parent with at least two kids, and she works two or three jobs. In other cases the family structure is two parents with two or more kids, but both parents are working at least two jobs. And the historical norms really add to the mix whereas, most parents want their child to be a football and/or basketball star. In addition, other sports are much easier to access because they are much cheaper. Within this status quo is nothing changes, not until someone or thing sacrifice and commit resources and real resources to effect change. Resources in this context means: interest, time and money.

PGA Tour Players starting age really vary tremendously although the majority begin thru the junior ranks IE: PGA Junior Sections, PGA Junior Series, AJGA etc..I personally believe that 5 is an ideal starting age for most youths

We know that most kids would love the game of golf once given access. But the reality is that most kids will not have access to the game because of family structure and historical norm. I recently went to a golfing equipment demo day at a local golf facility and as normal I saw parents with their child. The parent and child was testing equipment and sharing quality time together. While talking with a good friend and local PGA teacher he affirmed that for a child to gain the true interest of golf and develop the skills and character needed to grow in the game and environment, that child must have several things including:

- 🔗 Equipment
- 🔗 Instructions
- 🔗 Access to learning facilities
- 🔗 And traveling and playing many tournaments

Of course this equate to commitment and money.

### **TVYGD 3-5-10 Mentoring Program**

The program will start mentoring kids at the age of 7 and stay with them until they finish High School. Starting the kids in the elementary school golf program and work with them into middle school and on into high school golf teams.

🔗 *3-5-10 Mentor Program.* Due to family structure and historical norms, a large percentage of the kids we aim to serve will never have the opportunity to experience the game of golf and the game intrinsic values. Therefore, the 3-5-10 Mentoring Program (MP) will serve as assistant parents, family members and friends. The program will offer one-on-one and group mentoring.

- 3 years for High School students that want to learn and experience golf
- 5 years for Middle School students that want to experience golf
- 10 years for Elementary School students.

***Want to create a solid citizen and lifetime golfer?*** The ideal way, according to experts in youth development, would be one-on-one mentoring - one adult golfer providing empathy, positive expectations, a good example and constant support to foster the growth of one child. There is an old saying that, "A kid doesn't care what you know, until they know you care." Working with kids, has to be mission driven and not money driven. If your heart and head are sincere about the development of the child and you know what you are doing, they will pick up on that sincerity. At that point, you get them and they become an empty vessel waiting and willing to be filled. Or else as some artist say, "Carve out the beauty that is in the tree." But, if you are working with children because it is a job and your ultimate goal is your pay check, you will not get the opportunity to help mold and develop that young mind, body, and soul.

TVYGD propose that golf clubs and Youth ministers in area churches that play golf will be the 1 on 1 mentors

***Developed and designed by Howard Bankhead 03-07-2012***