

# BLW – 2017

## 18 Hole Golf Course

**Design & Layout by: Bill Henderson**  
**CNC Templates & Print Work: Ed Bennett**  
**Class Assembly Instructors: Bill, Ed, & Charlie Fliger**

**This class takes a lot of preparation, and some pretty large tools. Class time for 12 students from beginning to completion is just eight hour, mximum.**

**I believe in “Sweat Eavity:” class participants doing as much of the work that can be done in the time available...  
...safely. That takes additional planning.**

**If you think you might want to try this project with some of your audiences, I would recommend that you contact me and visit about prep considerations.**

**Approximate overall board size:  
15” X 30”**

**Bill Henderson**  
**Northwest District**  
**4-H Youth Development Specialist**  
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**BLW – 2017 – Golf Course – 4-Day Class**  
**Outline**

### **Day 1**

**Introduce class to the overall outline for the four days.**

**Remove name tags.**

**Tie back Hair. Provide “Tape-On Name Tags.**

**Introduce power tools.**

**Demonstrate marking and boring holes.**



Sand Golf Course boards, lightly, with 400-Grit Sandpaper (*Bill* – 400 grit Sand Paper and small wood blocks)

Sand Edge banding and apply finish Sand Paper 220-320, blocks, Glue & Glue Rags, Finish, Finish Cups, Rags, Nitril Gloves, Clamps, long Bar Clamps & Large Rubber Bands

>Wax the boards? (*Ed* - Car Wax, rags)

Mark the 18 Holes (Cups): Bore them.

-Stamp hole-Numbers *Ed* - Templates and Scratch Awls or Brads;

*Bill* - Drill Presses, Eye

Protection, Number Dies, *Bill & Ed* – 1 1/8" Forstner Bits, ?Mallets?

Mark the 18 Bumper locations: Bore Pilot Holes. (*Bill* - Drill Presses & Bits, Hand Drills, Drill Stops, Masking Tape)

Mark "T"-locations.

-Mark locations. (*Ed* – Vinyl 'T' Markers)

>Wax the boards?

Mark locations for "Hazard Blocks." (*Ed & Bill* – (.5 mm pencils or Extra Fine Pens)

## Day 2

Prepare Edge Banding - sides first: glue lightly and pin-nail. Sand ends flush.

- Install Ends (Dado ends flat?), sand flush.

-Apply finish to sides. (*Bill* - Sand Paper 220-320, blocks, Glue & Glue Rags, Finish Cups, Rags, Nitril

-When dry, buff-out. Gloves, Clamps, long Bar Clamps & (also *Ed*) Large Rubber Bands)

- Finish "Hazzards."

Install "Hazzard Blocks" Glue, and pin-nail

(*Ed* - Pin Nail or Pilot Holes, Countersink, Screws, Screw Drivers?)

Install "Bumpers" (*Bill & Ed* – 5/64" Allen Wrenches, Tubing, *Ed* - Pre-cut Tubing & Screws *Ed & Bill* – 7/64" Bits)

## Day 3

Continue to bore holes, install banding, install "Hazzard blocks." and apply Hole labels and "T" srickers.

Assemble Cues, sand and finish, add tip faces

## Day 4

Finish anything that needs to be done. Begin Clean-up.

*Bill* - 400 grit Sand Paper and small wood blocks

*Bill* - Sand Paper 220-320, blocks, Glue & Glue Rags, Finish Cups, Rags, Nitril Gloves, Clamps, long Bar Clamps & Large Rubber Bands

*Bill* - Drill Presses, Eye Protection, Number Dies

*Bill* - 1 3/8" Forstner Bits, Mallets

*Bill* - Drill Presses & Bits, Hand Drills, Drill Stops, Masking Tape

*Bill* - .5 mm pencils or Extra Fine Pens

*Bill* - 5/64" Allen Wrenches

*Bill* - 7/64" Bits, Hand drills

*Bill* - Shop Vac, hose, dust pan, glue rags

*Ed* - Templates and Scratch Awls or Brads

*Ed* - 1 3/8" Forstner Bits

*Ed* - Vinyl 'T'- Markers

*Ed* - .5 mm pencils or Extra Fine Pens

*Ed* - Large Rubber Bands

*Ed* - Pin Nails/Nailer

*Ed* - 5/64" Allen Wrenches, 7/64" drill bits and Hand drill

*Ed* - Pre-cut Tubing & Screws

*Ed* - Car Wax, rags

## **18 – Hole Golf Course – Rules**

Equipment needed:

- Golf Course
- 2 – Cues
- 4 – Colored Pucks

The object of the game is to play through the 18 - Holes of the course using the lowest number of strokes of any player.

How to play:

First person puts puck on T-1 and shoots for Hole-1. That player continues to shoot the puck from where it stops, until getting the puck in the hole. Player #1 writes down the number of strokes taken on the score card. Successive players follow in order, through all 18 Holes.

Penalties:

Pucks going into the wrong Hole and pucks going “off the board” are brought back to the board, to its last direction of travel before going out of bounds, placed on the edge of the Hole or along the side rail: *a two stroke penalty is assessed*, and play continues until the puck goes into the correct Hole.

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# 18 - Hole Golf Course

## Score Card

Front 9	Back 9
1 _____	10 _____
2 _____	11 _____
3 _____	12 _____
4 _____	13 _____
5 _____	14 _____
6 _____	15 _____
7 _____	16 _____
8 _____	17 _____
9 _____	18 _____
<b>Total</b>	<b>Total</b>
_____	_____

Overall Score \_\_\_\_\_

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