Educational Disc Golf Experience
Upper Elementary Math-It's in the Numbers
(Jon Lyksett)

In Disc Golf, as in most games and sports, there is a certain amount of arithmetic and mathematic knowledge necessary. From keeping score, to laying out the course, to knowing standings in competition, playing by the numbers is part of disc golf, as well. In this section of the EDGE program, students will be able to use their math knowledge from the standard classroom curriculum to figure out various problems dealing with disc golf. The worksheets have room for students to work the problems and the teacher's guides show the correct answers **in bold**, and an explanation of the rationale behind the problem, where necessary.

UPPER ELEMENTARY – Distance and Averaging

Disc golf courses are measured by the distance from the front edge of the tee pad or a line between two stakes or flags to the location of the pole of the target or basket. In calculating course ratings or par, the distance is the primary factor. Some courses have more than one tee location for each hole and a few even have multiple target locations, so that players have a choice of routes and hole configurations. In the following exercises, students will be asked to select from provided information to get total course length, alternate ways of achieving similar totals, and average hole length.

Course Information
The TopNotch Disc Golf Course has two sets of tees on each hole, called Blue and Red. It also has two basket locations on each hole, called White and Yellow. This gives a number of configurations for casual and tournament play. Use the information given in the table to answer the questions about the course.

Hole #	Blue/White (BW)	Blue/Yellow (BY)	Red/White (RW)	Red/Yellow (RY)	Average
1	189	214	205	231	*210*
2	307	344	314	366	*333*
3	322	361	329	354	*342*
4	243	276	233	261	*253*
5	275	299	312	335	*305*
6	341	333	317	349	*335*
7	306	327	311	324	*317*
8	388	399	412	444	*411*
9	300	309	328	299	*309*
Total	*2671*	*2862*	*2761*	*2963*	
Average	*297*	*318*	*307*	*329*	

1. Which course configuration is the longest?   *RY*
2. Which course configuration is the shortest?   *BW*
3. Figure the average hole length on each course.   *Answers above*
4. Figure the average length of each hole.   *Answers above*
5. Using the abbreviations above, make up the shortest course you can. (e.g.,: BW 1, BY 3, etc)
6. What is the longest course you can make using one of each of the above 9 holes?

Educational Disc Golf Experience
It's in the Numbers – Student Worksheet #3
(Jon Lyksett)

Name:

Course Information

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Total					
Average					

1. Which course configuration is the longest?
2. Which course configuration is the shortest?
3. Figure the average hole length on each course.
4. Figure the average length of each hole.
5. Using the abbreviations above, make up the shortest course you can. (Example: BW 1, BY 3, etc)
6. What is the longest course you can make using one of each of the above 9 holes?