

Useful Web Resources

General Links

Inside Math: Resources for particular Common Core Standards

<http://www.insidemathematics.org/>

Shodor.org: They have a lot of ready to go interactive lessons.

<http://www.shodor.org/interactivate/lessons/>

Games

Diversity: <http://www.math.wisc.edu/~skubak/132fall2012/Probability%20Games%20Article.pdf>

Dice game: <http://www.mathsisfun.com/activity/dice-experiment-2.html>

Simulation

Rolling 1-6 dice: <http://www.dicesimulator.com/>

Flipping 1- 200 coins: <http://www.random.org/coins/> (visual only, doesn't give frequencies)

Flipping coins: <http://www.shodor.org/interactivate/activities/Coin/> (table and ratio displays)

Birthday Problem:

Birthday generator: <http://www-stat.stanford.edu/~susan/surprise/Birthday.html>

Birthday generator: <http://mste.illinois.edu/reese/birthday/>

Calculator: <http://algoviz.org/OpenDSA/dev/OpenDSA/AV/Sorting/Birthday.html>

Table: <http://www1.appstate.edu/~kms/classes/psy2510/birthtable.html>

Chart: <http://mste.illinois.edu/reese/birthday/explanation.html>

Drawing cards: Instructors for programming simulation on TI-84

<http://www.dummies.com/how-to/content/how-to-simulate-drawing-cards-on-the-ti84-plus.html>

Coupon Collector: Drawing cards <http://www-stat.stanford.edu/~susan/surprise/Collector.html>

Rock paper scissors: <http://www.nytimes.com/interactive/science/rock-paper-scissors>.

html

Compound Events

Tables and tree diagrams: <http://www.shmoop.com/basic-statistics-probability/compound-events.html>

Interactive racing game: <http://www.shodor.org/interactivate/lessons/TreeDiagramsProb/>

Expected Value

The comments in the Expected Value section are worth a read:

<http://www.ams.org/notices/201103/rtx110300385p.pdf>

Inside math problem of the month: activity and summary of standards covered.

Activity E is good for exploring expected value.

<http://insidemathematics.org/problems-of-the-month/pom-gameshow.pdf>