

## Honors Math 2 Unit 6: Probability

Unit 6: Modeling with probability builds on the Math 1 knowledge of probability. Math 2 probability introduces the student to calculations involving more complex probabilities.

In this unit, students will . . .

- Calculate basic probabilities
- Count outcomes using fundamental counting principle, combinations and permutations
- Create tree diagrams for applied scenarios
- Calculate conditional probabilities using two way frequency tables and tree diagrams
- Determine probabilities of independent and dependent events
- Determine probabilities of complements and mutually exclusive events

Date	Day of Unit	Lesson	Assignment
Wed 12/14	1	Fundamental Counting Principle Combinations/Permutations	Packet p. 1 and 2
Thurs 12/15	2	Basic Probability	Packet p. 3 - 5
Fri 12/16	3	Probability of Independent/Dependent Events Tree Diagrams	Packet p. 6 and 7
Mon 12/ 19	4	<b>Quiz 1 on Days 1-3</b>	Assignment given in class
Tues 12/20	5	Probability of NOT Events Probability of Mutually Inclusive and Exclusive Events	Packet p. 8 and 9
Wed 12/21	6	Conditional Probability and Two Way Frequency Tables	Packet p. 10 and 11
Tues 1/3	7	Probability Review	Packet p. 12 and 13 Omit Problem #1 & 2 for now Study for Quiz
Wed 1/4	8	<b>Quiz 2 on Days 1-6</b>	Packet p. 14 and 15
Thurs 1/5	9	Theoretical vs. Experimental Probability	Packet p. 16 and 17
Fri 1/6	10	Activity with Theoretical vs Experimental Prob/Review	Packet p. 12 #1 and 2, Packet p. 18-19 odds, p. 20-21 odds Show your work!
Mon 1/9	11	Review of Probability	Packet p. 18-19 even, p. 20-21 evens Show your work!
Tues 1/10	12	<b>Test</b>	
Wed 1/11	13	Review for Mastery Test	
Thurs 1/12	14	<b>2<sup>nd</sup> quarter Mastery Test part 1</b>	
Fri 1/13	15	<b>2<sup>nd</sup> quarter Mastery Test part 2</b>	
<b>Mon 1/16 Martin Luther King Holiday</b>			
1/17 - go over mastery test, review for final exam		GHHS Final exams on Wed 1/18 - Tues 1/24	

Unit 6 Homework Grade:

