

**CH. 10 Probability**

**Lesson:** 10-1 Probability  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**Lesson Objective**

Students find the probability of an event by using the definition of probability.

**Teaching Procedure**

Read/discuss p. 532-534. Work p. 535 #1-4 at the board.

**Homework Assignment**

Workbook 10-1.

**Lesson:** 10-2 Experimental probability  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students estimate probability using experimental methods.

**Teaching Procedure**

Read/discuss p. 537-539. Work p. 539-540 #1-5 at the board.

**Homework Assignment**

Workbook 10-2.

**Lesson:** 10-3 Theoretical probability  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students estimate probability using theoretical methods.

**Teaching Procedure**

Read/discuss p. 544-546. Work p. 547 #1-8 at the board.

**Homework Assignment**

Workbook 10-3.

**Lesson:** 10-4 Independent and dependent events  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students find the probabilities of independent and dependent events.

**Teaching Procedure**

Read/discuss p. 549-551. Work p. 552 #1-5 at the board.

**Homework Assignment**

Workbook 10-4.

**Lesson:** 10-5 Making decisions and predictions  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students use probability to make predictions and decisions.

**Teaching Procedure**

Read/discuss p. 558-559. Work p. 560 #1-5 at the board.

**Homework Assignment**

Workbook 10-5.

**Lesson:** 10-6 The fundamental counting principle  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students find the number of possible outcomes in an experiment.

**Teaching Procedure**

Read/discuss p. 564-566. Work p. 566 #1-5 at the board.

**Homework Assignment**

Workbook 10-6.

**Lesson:** 10-7 Permutations and combinations  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students find permutations and combinations.

**Teaching Procedure**

Read/discuss p. 569-571. Work p. 572 #1-8 at the board.

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## Homework Assignment

Workbook 10-7.

**Lesson:** Test  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

## Student Evaluation

Administer test on p. 581.