

# Mathematics Class Slides

## Bronx Early College Academy

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12 November 2019

3.1 Introduction to probability 13 Nov

3.2 Probability as fractions 14 Nov

3.3 Sample spaces & Venn diagrams 18 Nov

3.4 Sample spaces & Venn diagrams 2 Dec

## GQ: How do we use mathematics to explore a topic?

CCSS: MP5 attend to precision

3.1 Wednesday 13 Nov

Do Now Skills check page 205

1. Treat probabilities as fractions between zero and one
2. Use tables to organize data

Afterschool today; parent conferences tomorrow 4:00-7:00, Friday

Lesson: theoretical and experimental probabilities, notation

Homework: Read and evaluate sample exploration paper according to criteria pp. 737-740

## GQ: How do we quantify uncertainty?

CCSS: MP5 attend to precision

3.2 Thursday 14 Nov

### 2.16 Do Now: Dice probability

1. probability tables (pdf)

Scoring an exploration paper

Lesson: Probability calculations

Homework: Textbook exercises 5A p. 210-211; exploration paper

## GQ: How do we organize the event space for analysis?

CCSS: MP5 attend to precision

3.3 Monday 18 Nov

### 2.16 Do Now: Express each probability as a fraction

1. Rolling a twelve with two dice
2. Drawing an ace from a deck of cards
3. Having a birthday on a weekday
4. Two students in a class of 30 have the same birthday

Review homework problems 5A p. 211

Lesson: Venn diagrams and sample spaces

Homework: Textbook exercises 5B p. 215; exploration paper

## GQ: How do we organize the event space for analysis?

CCSS: MP5 attend to precision

3.4 Monday 2 Dec

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Lesson: Venn diagrams and sample spaces

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