

Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	Standard: S.CP.5 - Recognize and explain the concepts of conditional probability and independence in everyday language and everyday situations. For example, compare the chance of having lung cancer if you are a smoker with the chance of being a smoker if you have lung cancer. *(Modeling Standard)
<p><u>Conditional Probability and the Rules of Probability</u> Understand independence and conditional probability and use them to interpret data</p>	<p><u>Questions to Focus Learning</u> How does conditional probability relate to real-world situations? Conditional probability can help make decisions about real-world situations.</p> <p><u>Student Friendly Objectives</u> <i>Knowledge Targets</i></p> <p>I can recognize the concepts of conditional probability based on everyday language and everyday situations. I can recognize the concepts of independence based on everyday language and everyday situations.</p> <p><i>Reasoning Targets</i></p> <p>I can use data to compare the values of A given B and B given A. I can use data to determine if A and B are independent. I can explain the concepts of conditional probability based on everyday language and everyday situations. I can explain the concepts of independence based on everyday language and everyday situations.</p> <p><u>Vocabulary</u></p> <p>conditional dependent independent</p> <p><u>Teacher Tips</u> Build on work with two-way tables from S.ID.5 to develop understanding of conditional probability and independence.</p> <p><u>Vertical Progression</u></p>

The above information and more can be accessed for free on the [Wiki-Teacher](#) website.

Direct link for this standard: [S.CP.5](#)