

Science College Readiness Standards For Score Range 13-15

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Select a single piece of data (numerical or nonnumerical) from a simple data presentation (e.g., a table or graph with two or three variables; a food web diagram)	5	Physical Science
Identify basic features of a table, graph, or diagram (e.g., headings, units of measurement, axis labels)	5	Physical Science

Science College Readiness Standards for Score Range 16-19

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Select two or more pieces of data from a simple data presentation	5	Physical Science
Understand basic scientific terminology	5	Physical Science
Find basic information in a brief body of text	5	Physical Science
Determine how the value of one variable changes as the value of another variable change in a simple data presentation	5	Physical Science
Understand the methods and tools used in a simple experiment	5	Physical Science

Science College Readiness Standards for Score Range 20-23

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Select from a complex data presentation (i.e. a table or graph or more than three variables; a phase diagram)two or more pieces of data from a simple data presentation	8	Physical Science
Compare or combine data from a simple data presentation (i.e. order or sum data from a table)	6	Physical Science
Translate information form a table, graph, or diagram	5	Physical Science
Understand the methods and tools used in a moderately complex experiment	8	Physical Science
Understand a simple experimental design	5	Physical Science

Identify a control in an experiment	5	Physical Science
Identify similarities and differences between experiments	5	Biology
Select a simple hypothesis, prediction, or conclusion that is supported by a data presentation or a model	5	Physical Science
Identify key issues or assumptions in a model	8	Biology

Science College Readiness Standards for Score Range 24-27

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Compare or combine data from two or more simple data presentations (e.g., categorize data from a table using a scale from another table)	Physical Science	Physical Science
Compare or combine data from a complex data presentation	8	Physical Science
Interpolate between data points in a table or graph	6	Physical Science
Determine how the value of one variable changes as the value of another variable changes in a complex data presentation	8	Physical Science
Identify and/or use a simple (e.g., linear) mathematical relationship between data	5	Physical Science
Analyze given information when presented with new, simple information	6	Physical Science
Understand the methods and tools used in a complex experiment	Physical Science	Bio
Understand a complex experimental design	Physical Science	Physical Science
Predict the results of an additional trial or measurement in an experiment	5	Physical Science
Determine the experimental conditions that would produce specified results	5	Physical Science
Select a simple hypothesis, prediction, or conclusion that is supported by two or more data presentations or models	5	Bio
Determine whether given information supports or contradicts a simple hypothesis or conclusion, and why	5	Physical Science
Identify strengths and weaknesses in one or more models	5	Bio
Identify similarities and differences between models	5	Bio
Determine which model(s) is (are) supported or weakened by new information	Bio	Chem
Select a data presentation or model that supports or contradicts a hypothesis, prediction, or conclusion	8	Bio

Science College Readiness Standards for Score Range 28-32

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Compare or combine data from a simple data presentation with data from a complex data presentation	Chem	Chem
Identify and/or use a complex (e.g., nonlinear) mathematical relationship between data	Physical Science	Physical Science
Extrapolate from data points in a table or graph	Physical Science	Physical Science
Determine the hypothesis for an experiment	5	Physical Science
Identify an alternate method for testing a hypothesis	Chem	Chem
Select a complex hypothesis, prediction, or conclusion that is supported by a data presentation or model	Chem	Chem
Determine whether new information supports or weakens a model, and why	Physical Science	Chem
Use new information to make a prediction based on a model	Chem	Chem

Science College Readiness Standards for Score Range 33-36

Science Standards	At what grade level (or in which course) are students first introduced to it?	At what grade level (or in which course) are students expected to demonstrate proficiency?
Compare or combine data from two or more complex data presentations	Upper level electives	
Analyze given information when presented with new, complex information		
Understand precision and accuracy issues	Physical Science	Physics
Predict how modifying the design or methods of an experiment will affect results	Physical Science	Physics
Identify an additional trial or experiment that could be performed to enhance or evaluate experimental results	Physical Science	Physics
Select a complex hypothesis, prediction, or conclusion that is supported by two or more data presentations or models	Upper level electives	
Determine whether given information supports or contradicts a complex hypothesis or conclusion and why		
Red Font= Need to be added to curriculum		
Plan 2012-2013		
Full Implementation 2013-2014		