

Clean & Green Kindergarten-2nd Grade Program Guide

Iowa Core and Common Core State Standards—

Kindergarten—

- Count, represent, read, compare, order and conserve (knows that the total number does not change when configured differently) whole numbers.¹ Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.² (Mathematics)³
- Understand and apply knowledge of ways to...care for the environment (Life Science)
- Understand the relationship of the individual to the components of society and culture. (Social Studies)
- Listen for information and understanding.⁴ Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.⁵
- Communicate and work appropriately with others to complete tasks. (21st Century Skills)

First Grade—

- Collect, sort, organize, and represent data to ask and answer questions relevant to the K-2 environment. (Mathematics)⁶ Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.⁷
- Understand and apply knowledge of ways to...care for the environment (Life Science)
- Understand the relationship of the individual to the components of society and culture. (Social Studies)
- Use knowledge of purpose, audience, format, and medium in developing written communication.⁸ Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.⁹
- (Literacy)
- Communicate and work appropriately with others to complete tasks. (21st Century Skills)

2nd Grade—

- Compare different representations of the same data using these types of graphs: bar graphs, frequency tables, line plots, and picture graphs.¹⁰ (Mathematics) Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems¹ using information presented in a bar graph.¹¹
- Understand and apply knowledge of ways to...care for the environment (Life Science)
- Understand the relationship of the individual to the components of society and culture. (Social Studies)
- Use knowledge of purpose, audience, format, and medium in developing written communication.¹² Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words (e.g., *because*, *and*, *also*) to connect opinion and reasons, and provide a concluding statement or section.¹³ (Literacy)
- Communicate and work appropriately with others to complete tasks. (21st Century Skills)

¹<http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Mathematics&D=Data+Analysis/Statistics+And+Probability>

² <http://www.corestandards.org/the-standards/mathematics/kindergarten/measurement-and-data/>

³ Ten or fewer items.

⁴ <http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Literacy&D=Listening>

⁵ <http://www.corestandards.org/the-standards/english-language-arts-standards/speaking-and-listening/kindergarten/>

⁶<http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Mathematics&D=Data+Analysis/Statistics+And+Probability>

⁷ <http://www.corestandards.org/the-standards/mathematics/grade-1/measurement-and-data/>

⁸ <http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Literacy&D=Writing>

⁹ Common Core State Standards Initiative, <http://www.corestandards.org/the-standards/english-language-arts-standards/writing/grade-1/>

¹⁰<http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Mathematics&D=Data+Analysis/Statistics+And+Probability>

¹¹ <http://www.corestandards.org/the-standards/mathematics/grade-2/measurement-and-data/>

¹² Iowa Core,

<http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Literacy&D=Writing><http://www.corecurriculum.iowa.gov/Discipline.aspx?C=Literacy&D=Reading>

¹³ Common Core State Standards Initiative, <http://www.corestandards.org/the-standards/english-language-arts-standards/writing/grade-2/>