How STORY DESIGN Works

Each lesson plan opens with the information you’ll need to plan a successful Story Design project:

- The featured story and an Overview of the project inspired by the book.
- The book’s Lexile® Measure and Grade Level help identify lessons appropriate for your students. Class Time for the lesson is estimated.
- Student Materials tells you what your students will need. Most projects can be carried out using household items, but when you see this logo: 🔨, the lesson includes an optional, Tech-Enhanced activity.
- Lesson Objectives identifies the learning goals and provides references to the applicable curriculum standards.
- Reading Skills (for K to 3) and STEM Topics (Science, Technology, Engineering, and Math) taught in the lesson are also listed.

K–3 Lesson Plans include an Analyze the Book literature lesson that helps students improve their reading skills and identify the problem in the book that they will address in the STEM project.

Grade 4–8 Lesson Plans include Summary of the Book and Identify the Problem features that describe the book and the problem in the book that the STEM project will address.

- The Identify the Problems Worksheet provides a structured format (for all grades) to use for this part of the lesson.

Differentiate Instruction offers ideas for decreasing and increasing the difficulty of lessons to meet students at their skill levels.

- STEM Background boxes give the basics students need to know about the project’s STEM topics.
  - Orange boxes discuss Science topics.
  - Green boxes discuss Technology topics.
  - Blue boxes discuss Engineering topics.
  - Red boxes discuss Math topics.

Go to bn.com to learn more about Story Design.
Ideas and language are offered for helping students apply the Engineering Design Cycle to address the practical problem faced by the characters in the story as they work through the five steps of the cycle. Differentiate Instruction offers ideas for decreasing and increasing the difficulty of lessons to meet students at their skill levels.

- The Engineering Design Cycle Worksheet provides a structured format and student reference for this part of the lesson.

- Present and Assess Solutions gives suggestions for helping your students present their completed projects.
- Back to the Book offers ideas for classroom discussion that will bring the lesson full circle, showing students how much they learned about the book as they worked on their STEM projects.
- Use the Student Reflection Worksheet to guide your students through a self-assessment and reflection activity.
- The Rubric for Student Assessment will help guide your evaluation of your students’ work on the lesson.
- The Instructor Reflection Worksheet can help you evaluate the success of the project in your classroom.

Meeting Standards lists the specific national standards addressed in each lesson:

- Common Core English Language Arts Standards, Next Generation Science Standards and (where applicable) Common Core Mathematics Standards and CSTA Computer Science Standards

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