

<p>Title: <i>Whoosh! Lonnie Johnson's Super-Soaking Stream of Inventions</i> Author: Chris Barton Illustrator: Don Tate</p>	
Big Ideas and Enduring Understandings	<p>Engineers design and build things. Perseverance helps people succeed.</p>
Overarching Question(s)	<p>What was Lonnie Johnson like as a child, and how did that help him become a famous engineer?</p>
Common Core ELA Standards	<p>CCSS.ELA-Literacy.CCRA.R.1 Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text. CCSS.ELA-Literacy.CCRA.R.2 Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas. CCSS.ELA-Literacy.CCRA.R.3 Analyze how and why individuals, events, or ideas develop and interact over the course of a text.</p>
Sample Text Dependent Questions	<p>What things did Lonnie play and experiment with as a child? Which of these things did he work on again as an adult? Use text and illustration clues to determine your answer.</p> <p>What did Lonnie do when his robot Linex didn't work? Use text and illustration clues to determine your answer.</p> <p>What did Lonnie do when a test showed that he wouldn't be a good engineer? Use text and illustration clues to determine your answer.</p> <p>What did Lonnie do when toy companies didn't want to make his Super Soaker water gun?</p>
Suggested Activities	<p>Design and create a robot. This could be an art project or a design challenge.</p> <p>Given materials, design and create a toy: a ping pong ball trampoline! http://stemactivitiesforkids.com/2015/10/21/stem-challenge-trampolines/ Write and illustrate about a time you built something. What were the challenges? How did you overcome them?</p>

Links	Visit to Mr. Johnson's Workshop video from CBS News Illustrating Whoosh! from Don Tate's blog Research for Whoosh from Done Tate's blog
<p>Companion Titles:</p> <p>Biographies: Kamkwamba, William. <i>The Boy Who Harnessed the Wind</i>. Colins, Luke. <i>George Washington Carver</i>. Colins, Luke. <i>Mae Jemison</i>.</p> <p>Picture books: <i>Rosie Revere, Engineer</i> by Beaty, Andrea <i>Ada Twist Scientist</i>, by Beaty, Andrea</p>	