

Picture Books for Stem Challenges

Feel free to borrow these ideas for Makerspace reading connections. Do you have an idea of some other resources that may be helpful? Let your neighbour know!

Book and author	Summary/Description
<u>Rosie Revere Engineer</u> by Andrea Beaty	When Rosie's attempt to build a flying contraption for her aunt doesn't turn out quite as she plans, she feels like a failure but learns that in life the only true failure is giving up. A story of pursuing one's passion with perseverance.
<u>What Do You Do with an Idea?</u> - Kobi Yamada	All of us have had the feeling at some time or another that our ideas are not good enough or that people will think they are silly or worthless. The main character in <i>What Do You Do with an Idea?</i> helps his idea grow and change until he can't imagine life without it.
<u>What Do you Do with a Problem?</u> - Kobi Yamada	When we are learning new things, we are bound to run into problems. If you have a growth mindset, you will find a way to work through the problem. This book encourages readers to stick with the problem and learn from the process of finding a solution.
<u>The Dot</u> by Peter Reynolds	Young Vashti is discouraged by what she thinks is a fixed ability to draw. How does her teacher respond? "Just make a mark and see where it takes you." This one little dot steers Vashti down a path of growth, in both confidence and ability, providing an example of effort triumphing over ability.
<u>Iggy Peck Architect</u> - Andrea Beaty	Iggy has one passion: architecture. His parents are proud of his fabulous creations, though they're sometimes surprised by his materials. Dear Ig has it made until second grade. That's when he meets his match. His teacher, Miss Lila Greer, frowns upon architecture. Banned from building in school, second grade becomes a bore until one day a fateful field trip lets Iggy Peck show the world his true talents!

<p><u>The Magnificent Thing</u>- Ashley Spires</p>	<p>The main character has an idea to make something special. She builds. She toils. She tinkers. She gets angry. She gets frustrated. Nothing that she builds turns out exactly the way she envisions, even though the neighbors all find her inventions to be useful. Finally, after numerous attempts and failures, she creates exactly what she had pictured... the most magnificent thing.</p>
<p><u>Beautiful Oops!</u> by Barney Saltzberg</p>	<p>When trying to teach students that making mistakes is okay. This book has wonderfully interactive illustrations, and page takes an "oops" and turns it into something beautiful.</p>
<p><u>Giraffes Can't Dance</u> by Giles Andreae</p>	<p>We are compelled to learn when we are inspired. Understanding that you can learn anything you want to is the first step in developing a growth mindset. Gerald the Giraffe wants to learn how to dance, but his gangly legs prevent him from moving as fluid as his friends. When he finds music that speaks to him, his body moves gracefully to the music.</p>