

**PROGRAM/CURRICULUM**

<u>Title</u>	<u>Author/Publisher</u>	<u>Year</u>	<u>Grade</u>	<u>Subject/Course</u>	<u>Rationale</u>
The Martian	Broadway Books	2011	11-12	Astronomy	Andy Weir’s novel, <u>The Martian</u> , is to be incorporated as the final project in Astronomy. Students will be given 4 project options to choose from, each one asking them to analyze certain scenes in the novel as they relate to the Next Generation Science Standards- Disciplinary Core Ideas, Science & Engineering Practices, and Cross-Cutting Concepts.
Measuring Up Live 2.0	Mastery Education	2016	3-8	Math/ELA	Measuring Up Live 2.0 allows students to access pre-created PARCC questions, performance tasks, and assessments. The software provides students with an authentic PARCC interface for experience in the testing environment and also provides them with an opportunity to deepen their knowledge of concepts in ELA & Math. Teachers can create Customized questions, Performance tasks, and assessments and can also access a multitude of reports to track student performance and target students’ needs.
Exemplars	Exemplars	2010/17	K-6	Math	The Exemplars K-12 program for

Mathematics provides students with open-ended questions and scenarios to help them develop critical thinking and reasoning skills to solve real-world problems. Each problem-solving task comes in a variety of different levels and comes with rubrics and student anchor papers. Each task can be used for assessment and/or instruction.

The Boy Who Harnessed  
The Wind: Young Readers  
Edition Penguin Young Readers 2015

6

Social Studies

When a terrible drought struck William Kamkwamba's tiny village in Malawi, his family lost all of the season's crops, leaving them with nothing to eat and nothing to sell. William began to explore science books in his village library, looking for a solution. There he came up with the idea that would change his family's life forever: he could build a windmill. Made out of scrap metal and old bicycle parts, William's windmill brought electricity to his home and helped his family pump the water they needed to farm the land.