***\*\*\* = the book is checked out from the Public Library***

**\*\*\*The Girl with a Mind for Math: The Story of Raye Montague**

* “She was bright as a star, super SMART from the start” **(exceptional talent)**
* “’a real SUBMARINE!’ her eyes opened wide. ‘who made it?’ she asked as they followed the guide. ‘ENGINEERS, said the main, giving Raye’s head a pat. ‘but my dear, YOU don’t need to know all about that.’ At the time, the man’s insult went over her head. ‘No, you CAN’T,’ were the words he had meant but not said.” **(societal expectation)**
* “‘Engineering,’ thought Raye, and her life’s DREAM began. Except most people laughed when she told them her plan.” **(societal expectation/exceptional struggle)**
* “’there will always be people who pay you no mind- just because you're a girl and because you are black. Don’t let them or the state of your SCHOOL hold you back.” **(societal expectation)**
* “But Raye studied hard. She had GRIT- taught herself. She was gifted in MATH and read books by the shelf.” **(exceptional talent and effort)**
* “Raye finished with HONORS! Oh boy, what a smarty.” **(exceptional effort/ talent)**
* “So, she watched as they worked, and she learned every task, even studied COMPUTERS by night in a class.” **(exceptional effort)**
* “Raye did all of her work… and the engineers’ too! **(exceptional effort)**
* Raye just held her head high, and she outworked them all. **(exceptional effort)**”
* “Raye finished in HOURS… just over EIGHTEEN!” **(exceptional achievement)**
* “when Raye’s ship was unveiled, only white men could go. And Raye’s invite? Not mailed.” **(societal allowing)**
* “People learned of her work. ‘who's this Raye?’ they'd demand. When they met her they stared. They expected a man!” **(societal expectation)**
* “Many could not believe that a WOMAN of COLOR did all she’d achieved. Some even thought Raye was a maid.” **(societal expectation)**
* “Raye [was] the first woman to lead ship design!” **(the “first”)**

**\*\*\*The Doctor with an Eye for Eyes: The Story of Dr. Patricia Bath**

* “PATRICIA- quite clever was she. All the good she’d accomplish, the world would soon see!” **(exceptional talent/ achievement)**
* “every hobby he had, she would copy. It’s true. She said ‘anything boys can do, girls can do too!’” **(boy-girl comparison)**
* “But doctors back then? Most were men, you will find. Still Patricia stood firm. That did not change her mind” **(boy-girl comparison)**
* “So, to high school by TRAIN. Nothing stopped her, you see, and though most kids took four years, she finished in THREE!” **(exceptional achievement)**
* “Off to college. Then MEDICAL school… where she found that her classmates were boys as a rule , and when girls weren’t allowed to sit in the front row,  Patricia said, ‘Phooey! that won't make me low.’” **(societal expectation/ allowing)**
* “Then she hit a GRAND SLAM, when she started an eye doctor training program. She would LEAD it for years, and what makes that so sweet? She’d be the FIRST WOMAN to achieve such a feat!” **(exceptional achievement/the “first”)**

**\*\*\*Counting on Katherine: How Katherine Johnson Saved Apollo 13**

* “Katherine’s boundless curiosity turned her into a star student. She was so bright, she skipped three whole grades” **(exceptional talent/ achievement)**
* “By the time she turned ten, Katherine was ready for high school.” **(exceptional talent)**
* “Katherine loved high school. She was good at every subject, but math was still her favorite.” **(exceptional talent)**
* “In those days, though, there were no jobs as research mathematicians for women. Professions most available to them were teaching and nursing” **(societal expecting/ allowing)**
* “She worked as a ‘computer’ (electronic computers were not widely used yet), calculating long series of numbers. All the computers were women. They were given the tasks that men thought were boring and unimportant.” **(societal expecting/ allowing)**
* “It would be the toughest challenge of her life...She worked hard and fast. A few hours later, Katherine’s calculations were finished.” **(exceptional achievement)**
* “Katherine Johnson had done it. She’d brought Apollo 13 home. She was no longer the kid who dreamed of what lay beyond the stars. She was now a star herself.” **(exceptional achievement)**
* “to counter ingrained sexism there, she had to develop more than math skills. ‘We needed to be assertive as women in those days- assertive and aggressive.’ **(boy-girl comparison)** Still, Katherine was kept out of the research team’s all-male briefings **(societal allowing)**.

**\*\*\*Margaret and the Moon: How Margaret Hamilton Saved the First Lunar Landing**

* “Margaret Hamilton loved to solve problems. She came up with ideas no one had ever thought of before.” **(exceptional talent)**
* “Why were there only daddy longlegs? Margaret had a solution. She would call some of them mommy longlegs, too. why didn’t girls play baseball? Margaret had a solution. She would join the team herself. Why didn't more girls grow up to be doctors? or scientists? or anything else they wanted? margaret had a solution. she would study hard in every subject at school.” **(societal expectation/ norm)**
* Margaret began solving harder and harder math problems. It was fun working her way through the steps” **(exceptional achievement)**
* Margaret taught herself to write code that performed more and more complicated tasks… she even made [the computer codes] do things they had never done before.” **(exceptional achievement)**