

FlyGirl

(Working title)

by:

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Tag Line

FlyGirl: Nothing is impossible in the life of a gifted 16-year-old girl.

Synopsis

Meet Sabrina Gonzalez Pasterski, born June 3rd 1993 in Chicago, Illinois. After a remarkable start in school and a blossoming passion for physics and aerospace engineering, 12-year-old Sabrina began the incredible task of building her own two-seater airplane, though too young to legally fly it. After years of hard work and dedication, Sabrina finished her airplane and became America's youngest FAA endorsed airframe manufacturer. Not stopping there, in 2009 Sabrina was awarded her Solo Pilot's License and became an FAA Authorized Experimental Aircraft Test Pilot. An amazing story and an amazing girl!

Most of us would consider those to be enough accomplishments for a lifetime, but not for our determined teenager. Ready to start a study in aerospace engineering at MIT or physics at Harvard (she hasn't yet made up her mind), she is determined to design, build and launch an unmanned spacecraft on a one-way trip to Mars by 2018. Everyone who knows her including teachers and scientists think she will pull this off.

In **FlyGirl**, Sabrina will take us along on her blazing ride to success, and through her we will meet other people who have inspired her by accomplishing their own extraordinary feats. Sabrina will encounter experiences that others can only dream of and accomplish astonishing tasks, like landing the Space Shuttle in the Shuttle Flight Simulator and swapping flying stories with men who walked on the moon.

The series will interweave fun with inspiring, history-altering stories told by the history-makers themselves with a ride-along as Sabrina tackles her next amazing feat: building a pulse-jet powered flying motorcycle.

EPISODE ONE

We meet Zac Sunderland, the youngest person to sail solo around the world. At just 16, Zac left Marina Del Rey in a 36-foot sailboat, endured 13 months of life-threatening weather, sharks and a mindblowing 28,000 miles of life-altering experiences. He celebrated his 17th birthday while at sea off Africa's Cape of Good Hope. In this episode, Zac gives Sabrina a sailing lesson, and she returns the favor with a lesson in pre-flying and planning a cross-country trip in her home-built airplane.

EPISODE TWO

In 1966, 15-year-old Rinker Buck and his brother bought a rundown Piper airplane, rebuilt it, and flew it from New Jersey to California for what turned out to be the adventure of a lifetime. By the time they landed in Santa Monica, they had unknowingly become national heroes. Rinker recounts many of the stories from the harrowing trip from his legendary book *Flight of Passage* while Sabrina relates her own hair-raising tales.

EPISODE THREE

Gene Cernen was the last man to walk on the moon and wrote his daughter's name in the moon dust. Boy, do he and Sabrina have a lot to talk about! He's always been frustrated by the lack of investment in Mars travel and encourages Sabrina to get her unmanned spacecraft to the red planet.

EPISODE FOUR

Kim Ung-Yong started college when he was just 4 years old and got his Ph.D. in physics from Colorado State University when he was only 15. The Guinness Book of World Records named this Korean phenom the person with the highest IQ on earth. Sabrina and Kim Ung-Yong play a webcam game of Trivial Pursuit with the winner proclaimed the smartest person in the world...that day!

EPISODE FIVE

Fabiano Luigi Caruana became the world's youngest-ever chess Grandmaster at age 14. On the 2009 list of the governing organization of world's chess masters, Fabiano has a rating of 2649, making him the world's highest ranked player under the age of 18. In this episode, he gives a chess lesson to Sabrina, and in return she gives him a flight lesson in a big time flight simulator. Watch out, there may be some turbulence!

EPISODE SIX

Jay Greenberg wrote five full-length symphonies by the age of 12. Formerly a student at Juilliard, he now has a professional career. One of his previous professors claims the prodigy is in the company of Mozart, Mendelssohn, and Saint-Saëns, and his works have already been played by orchestras across the United States. Jay takes Sabrina to a performance of his symphony and teaches her how to write a sheet of music. She teaches him how to solve a complicated problem from the physics portion of the SAT. (Sabrina scored a perfect 800!!)

EPISODE SEVEN

Gymnast Nadia Comaneci of Romania was just 14 years and 252 days old when she took gold medals in three events at the 1976 Montreal Olympic Games. Nadia teaches Sabrina a few simple gymnastic tricks while Sabrina teaches Nadia how to ride a motorcycle.

EPISODE EIGHT

Jordan Thomas lost his legs in a boating accident when he was just 16. Soon after, he started the Jordan Thomas Foundation, which raises money to buy prosthetics for kids who can't afford them. The organization also collects, cleans, organizes, and recycles pre-owned prosthetics. Sabrina helps Jordan with the recycling process, goes with him to deliver the goods to kids, then takes some of those youngsters "up" for a wild ride in a flight simulator.

EPISODE NINE

Piano prodigy Sihon Guo began her first lessons at the age of 5. In 2005, she was awarded the Young Music Explorer piano scholarship. In 2006, Guo won the Montreal Classical Music Competition. In 2007, she won the Lakeshore Chamber Music Society Music Competition (in Montreal, Quebec). Also in 2007, she again won and was awarded the Marie-Jeanne Fortier Trophy in the Montreal Classical Music Competition. She is now just 9 years old. Sihon sits down with Sabrina and teaches her a short piece on the piano. Sabrina takes Sihon to an air show.

EPISODE TEN

Only 8 years old, Joshua Williams has already founded an organization to help feed the hungry in Miami: Joshua's Heart. Monthly, you can find Joshua, his family, and supporters out feeding the homeless and others in need. Sabrina goes with Joshua on one of his outings and then hosts a dinner at her hometown hangar.

EPISODE ELEVEN

On 19 February 2008, the *Guinness Book of World Records* named Alia Sabur the World's Youngest Professor at 18, a designation that had been held by Colin Maclaurin since 1717, when he was appointed professor of mathematics at 19. Dr. Sabur was appointed as a full-time faculty professor in advanced technology fusion at Konkuk University, Seoul, South Korea as Research Liaison with Stony Brook University in New York. Dr. Sabur shows Sabrina some of the research she is doing. Sabrina explains some of the physics and engineering challenges to get a motorcycle in the air!

EPISODE TWELVE

Wow! Did you know Tatum O'Neal won an Oscar at 10 for her supporting role in *Paper Moon*? What an accomplishment! Tatum and Sabrina rehearse and act out a few of Tatum's favorite scenes from her legendary career. Then they write a script about Sabrina's passion for flight and make a short film of it for YouTube!

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