

Girls Science Writing Curriculum Calendar

Workshop Week	Focus
1	<p>Introduction to Girls Writing Science</p> <ol style="list-style-type: none"> 1. Read aloud children’s book (<i>The Watcher</i> or see list) 2. Draw a scientist http://en.wikipedia.org/wiki/Draw-a-Scientist_Test 3. Write what a scientist looks like and does (see attached) 4. Writing workshop prompt – a time you felt success with science a time you felt shut out of science 5. TED Talk about science and the broadness of it – respond https://www.ted.com/talks/asha de vos why you should care about whale poo?language=en <ol style="list-style-type: none"> a. What questions do you have for her? b. What do you want to know? c. What do you want to know about her path as scientist? About her personally?
2	<p>Becoming a Woman Scientist – Possible Selves and Interviews</p> <ol style="list-style-type: none"> 1. Read aloud children's book (see list) 2. TED Talk https://www.ted.com/talks/asha de vos why you should care about whale poo?language=en <ol style="list-style-type: none"> a. What questions do you have for her? b. What do you want to know? c. What do you want to know about her path as scientist? d. About her personally? 3. TED talk posters - write up responses 4. Introduction to interview assignment 5. Goal setting <ol style="list-style-type: none"> a. Who do you want to interview and why? b. How is this person connected to life path you can see yourself pursuing?
3	<p>Overcoming Barriers, Finding Sponsors, and Turning Points for Women</p> <ol style="list-style-type: none"> 1. Read aloud children’s book (see list) 2. Gallery walk/scavenger hunt of women in science (see list of books) <ol style="list-style-type: none"> a. If I could talk to any of these women in the room who would I talk to? c. What is this telling me about what I want to know about science? d. How does this impact who might I want to interview? 3. TED talk: Lina Colucci (https://www.youtube.com/watch?v=8-wo5YnYr-g) <ol style="list-style-type: none"> a. How are science and ballet related? b. What is something you are interested in that is related to science? 4. Mini lesson – writing interview protocols

4	<p>Preparing for Interviews</p> <ol style="list-style-type: none"> 1. Read aloud children's book (see list) 2. Tree scientist TED Talk and reflection (https://www.ted.com/talks/nalini_nadkani_on_conserving_the_canopy?language=en) 3. Writing interview questions mini-lesson (see interviews dos/don'ts) 4. Interview question peer workshop 5. Writing professional emails mini-lesson
5	<p>Interview Findings and Writing Interview Profiles</p> <ol style="list-style-type: none"> 1. Read aloud children's book (see list) 2. Refine interview Questions and send emails/make calls 3. Writing from our interviews – Bionic Woman write-up (see attached) and En Point (see attached) <ol style="list-style-type: none"> a. How can I see myself in this interview? b. What is my possible life
6	<p>Writing Profiles and Imagining Possible Lives in Science</p> <ol style="list-style-type: none"> 1. Read aloud children's book 2. Writing your lead mini lesson 3. Writing leads activity 4. Integrating quotes mini lesson (see minilesson in <i>Stirring Up Justice</i>) 5. Writing quotes activity 6. Making the turn – connecting yourself to a woman in science 7. Sharing drafts/revising
7	<p>Wrap-Up and Sharing</p> <ol style="list-style-type: none"> 1. Draw a scientist 2. Write what a scientist looks like and does 3. Writing workshop prompt – a time you felt success with science a time you felt shut out of science 4. Closing activity – sharing your profile and connecting to a woman in science 5. Reflection 6. <i>Closing Certificates and Cake</i>

Name _

Instructions: Think of what a scientist looks like and then take a few minutes and draw the scientist you imagine on this paper.

Name _

Instructions: Now that you've drawn a scientist, take some time and write down what a scientist looks like and what a scientist does.

Title	Author	ISBN	Type	Amazon Price
Rosie Rever Engineer	Andrea Beaty	978-1-4197-0845-9	Children's	9.28
The Fossil Girl	Catherine Brighton	978-1-84507-732-7	Children's	7.53
The Watcher	Jaenette Winter	978-0-375-86774-3	Children's	12.73
Amelia to Zora	Cynthia Chin Lee	978-1-57091-523-9	Children's	6.53
Who Says Women Can't Be Doctors?	Tanya Lee Stone	978-0-8050-9048-2	Children's	12.61
Title	Author	ISBN	Type	Amazon price
Jane Goodall	Dale Peterson	978-0-547-05356-1	Adult	12.74
Lise Metner	Ruth Lexin Sime	978-0-520-20860-5	Adult	36.95
Temple Grandin	Sy Montgomery	978-0-544-33909-5	Adult	8.53
Rosalind Franklin: The Dark Lady of DNA	Brenda Maddox	978-0-06-098508-0	Adult	11.77
Grace Hopper and the Invention Beyer of the Information Age	Kurt W.	978-0-262-51726-3	Adult	18.41
Rocket Girl	George D. Morgan	978-1-61614-739-6	Adult	12.22
Madame Curie	Eve Curie	978-0-306-81038-1	Adult	13.46
The Fossil Hunter	Shelley Emling	978-0-230-10342-9	Adult	12.36

Chrysalis	Kim Todd	978-0-15-6032 99-5	Adult	13.5
The Immortal Life of Henrietta Lacks	Rebecca Skloot	978-1-4000- 5219-9	Adult	14.44
The Sound of a Wild Snail Eating	Elisabeth Tova Bailey	978-1-56512- 606-0	Adult	10.36
The Girls of Atomic City	Denise Kiernan	978-1-4516- 1753-5	Adult	2

Other recommendations

Title	Author	ISBN	Type	Column1
Headstrong: 52 Women who Changed Science	Rachel Swaby	978-0-55344-679-1	Adult	10.59
The Madame Curie Complex	Julie Des Jardins	978-1-559616134	Adult	17.95
Nobel Prize Women in Science	Sharon Bertsch McGravne	978-0-309-072700	Adult	16
Ada's Algorithm	James Essinger	978-1-61219-4080	Adult	17.39
Hypatia of Alexandria: Mathematician and Martyr (Astronomer as well)	Michael A.B. Deakin	978-1-591-025207	Adult	20.58
The Evolution of Calpurnia Tate	Jacqueline Kelly	978-0-8050-88410	YA	7.99
The Most Magnificent Thing	Ashley Spires	978-1-5545-37044	Children's	15.26
Sofia Scott Goes South	Alison Lester	978-0-670880683	Children's	14.66
I Wonder	Annaka Harris, John A Rowe	978-1-940051048	Children's	11.44

Violet the Pilot	Steve Breen	978-0-803731257	Children's	13.52
Look up! The Story of the First Woman Astronomer	Robert Burleigh	978-1-442481107	Children's	13.33
Rita Levi-Montalcini: Nobel Prize Winner	Susan Tyler Hitchcock	978-0791080283	Adult	30
Rosalyn Yalow: Nobel Laureate Her Life and Work in Medicine	Eugene Straus	978-0-738202631	Adult	14.46
Barbara McClintock	Ray Spangenburg & Diane Kit Moser	978-0-816061723	Adult	35
The First Woman Doctor	Rachel Baker	978-0-613004930	YA	no new-4.00used
Marvelous Mattie: How Margret E Knight Became an Inventor	Emily Arnold McCully	978-0-374348106	Children's	13.94
Summer Birds: The Butterflies of Maria Merian	Margarita Engle & Julie Paschkis	978-0-805089370	Children's	11.55
Mary Anning and the Sea Dragon	Jeannine Atkins	978-0-374348403	Children's	9.99
The Comet Sweeper: Caroline Herschel's Astronomical Ambition	Claire Brock	978-1-08840467208	Adult	no new-4.00used
Annie Jump Cannon, Astronomer	Carole Gerber & Christina Wald	978-1-589809116	Children's	12.48
Girls Who Looked Under Rocks	Jeannine Atkins	978-1-584690115	YA	8.95
Rachel Carson and Her Book That Changed the World	Laurie Lawlor & Laura Beingessner	978-0823423705	Children's	6.7
Me... Jane	Patrick McDonnell	978-0316045469	Children's	12.55

Women Scientists for Scavenger Hunt

Admiral Grace Murray Hopper

Lise Meitner

Dr. Jane Goodall

Rosalind Elsie

Franklin Marie Curie

Mary Sherman

Morgan Mary Anning

May Edward Chinn

Rosa Smith

Eigenmann Helen

Sawyer Hogg Ellen

Ocho