

# Guest Hollow's

## BOTANY

\*Middle School - High School\*


Living books, nature  
journaling, recipes, and  
more!



Week 1					
Topics: Botany introduction, chocolate, aconite, arrow poisons, African violet, Anemone, Aster, Acacia, Cacao, Alder, onion, Milton Hershey					
	Day 1	Day 2	Day 3	Day 4	Day 5
*Spine Books *A spine book is the backbone of a study.					
<u>Botany For Dummies</u>	Page 7: Chapter 1: Exploring Botany *There is a reference to 400 million years ago under the heading "Exploring the Wide World of Plants"				
<u>Trees, Leaves, Flowers, and Seeds</u>	p. 10-11 The plant kingdom		p. 12-13 What is a plant?	p. 122-123 The forest floor	p. 164-165 Plants and people
<u>Wicked Plants</u>	Download this <a href="#">free study guide</a> for the Wicked Plants book. You will be using it during various weeks, in the future. Read the notes for the teacher and introduction.	p. 1 Aconite		p. 3 Arrow Poisons	
<u>100 Flowers</u>	p. 3-4 Read about the African Violet		p. 5-6 Read about the Anemone		p. 7-8 Read about the Aster
<u>Lives of the Trees</u>	p. 9-12 Read about the Acacia		p. 63-66 Read about the Cacao		p. 13-15 Read about the Alder
<u>Fifty Plants</u>		p. 184 Cacao  *Warning: There is some adult content in this section where a Queen ate chocolate as consolation that her husband was sharing his "bed" with someone else.		p. 10 onion	
Note: As you read about various plants and flowers this year, look them up on the Internet via Google images or another similar resource. It only takes a minute and will greatly add to your student's knowledge of and ability to identify plants!					

Books					
<u>Milton Hershey</u>	Chapters 1-2	Chapters 3-4	Chapters 5-6	Chapters 7-8	Chapters 9-10
<u>Chocolate</u>	p. 1-23	p. 24-58	p. 59-105	p. 106-152	p. 153-178
<u>Botany in a Day</u>					
Experiments, Labs, Activities, and Kits					
			Recipe: <u>Chocolate chip cookies</u> or <u>any other recipe with chocolate!</u>		
Printables					
			<u>Chocolate unit study</u> Most of this unit may be too easy for most students. I recommend using the following ideas from it, though:  Design your own chocolate bar  Nutrition & chocolate (from the text section)  p. 3-4 Graphing with mean, median, mode and range (good math review) *need M&Ms		
Videos					
	<u>The history of chocolate - Deanna Pucciarelli</u>	<u>Kale, Cauliflower, and Brussels Sprouts Are the Same Species</u>	<u>The Science of Chocolate</u>	<u>Biography - Milton Hershey: The Chocolate King</u>	
Websites					
Nature, Journaling, and Art					
					Writing: Write a report about chocolate. Include information about how it's grown.  or  Write a report about Milton Hershey
<i>Optional</i>  Choose your journaling activities from these books:	<u>The Laws Guide to Nature Drawing and Journaling</u>	<u>Keeping a Nature Journal</u>	<u>Nature Anatomy Notebook</u>		

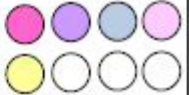
Picture or draw a picture of flower or plant here



Aster

Nature's Paint Box!

Color feathers color in or paint the most common colors of your plant or flower.



Write facts about the plant or flower here:

The Aster is sometimes called the starwort. Aster is Latin for star referring to the flower's star shape. Asters were brought to North America in 1637.

Editable Microsoft Word flower notebooking page: [Download](#)

Printable PDF flower notebooking page: [Download](#)

This blank sheet (a filled in example is above) is for recording the various plants and flowers you'll be learning about this year. You can choose from an editable page that can be filled out on your computer or one to print out and fill in by hand.

These pages will make a nice scrapbook of plants and flowers and help you learn to easily identify them out in the world! Don't feel you need to fill out a page for each and every plant you study, but your student should fill out at least one a week and store all the completed pages together in a notebook.

		<p><b>Microsoft Word Flower Notebooking Page Instructions:</b></p> <ul style="list-style-type: none"> <li>★ Paste a picture in directly from the Internet. Google an example of the plant in <a href="#">Google images</a>, right click &amp; copy your favorite image and then paste it into the box in MS Word. Resize it as necessary.</li> <li>★ Type in your plant or flower facts directly onto the page in the fact box.</li> <li>★ Type the name of your plant into the name box on the top right.</li> <li>★ Choose colors to represent the main colors of your flower or plant. For example: Asters come in a variety of colors. Some Aster flowers are purple, light pink, yellow, light blue or a deep fuchsia. I've colored the circles in the Nature's Paint box section to represent the main colors the Aster flower comes in.</li> </ul> <p>To color in the circles in MS Word, click on a circle, right click and choose "format auto shape". On the first tab marked colors and lines click the drop down menu marked color. Choose "More colors" and then choose from the honeycomb of colors or from the slider on the custom color tab.</p> <p>You may enjoy coloring the circles by hand with markers, crayons, paint or colored pencils instead. If that's the case, wait until you've printed the page out.</p> <p><b>PDF Flower Notebooking Page Instructions:</b></p> <p>Directions:</p> <p>Print out and fill in. You can draw or paste in a picture of the flower or plant you are studying.</p>			
<p><u>Draw Like an Artist: 100 Flowers and Plants</u></p>	<p>p. 45 African violet</p>		<p>p. 27 Anemone</p>		<p>p. 28 Aster</p>

Week 2					
Main topics: Binomial nomenclature, classification, taxonomy, Ayahuasca vine, Betel nut, abelia, astilbe, azalea, almond, apricot, bamboo, pineapple, Milton Hershey, Linnaeus					
	Day 1	Day 2	Day 3	Day 4	Day 5
*Spine Books *A spine book is the backbone of a study.					
<u>Botany For Dummies</u>	Page 231: Chapter 14: The Tree of Life: Showing the Relationship Between Living Things  *This chapter mentions evolution.	Organizing life – Developing a system  Evolution is mentioned in: ★ the section on phylogenetic trees ★ the section with the “warning” icon that is talking about taxonomic groups ★ the end of the “Defining Plants” section		Defining plants	Naming the rose and other living things
<u>Trees, Leaves, Flowers, and Seeds</u>					
<u>Wicked Plants</u>		p. 7 Ayahuasca Vine and Chacruna	p. 11 Betel Nut		
<u>100 Flowers</u>	p. 1-2 Read about the Abelia		p. 9-10 Read about the Astilbe		p. 11-12 Read about the Azalea
<u>Lives of the Trees</u>	p. 16-18 Read about the Almond		p. 23-24 Read about the Apricot		p. 38-41 Read about Bamboo
<u>Fifty Plants</u>		p. 14 Pineapple		p. 18 Bamboo	
Books					
<u>Milton Hershey</u>	Chapters 11-12	Chapters 13-14	Chapters 15-16	Chapters 17-19 End of book!	
<u>Chocolate</u>	p. 179- 198	p. 199-215	p. 216-224	p. 225 Finish the book.	
<u>Botany in 8 Lessons</u>	Chapter 2: Plant classification, Level 1, p. 17-20	Chapter 2: Plant classification, Level 2, p. 21-24	p. 210 Lapbook: Genus species matching challenge		
<u>Botany in a Day</u>	Continue practicing plant identification with this book as desired.				

Experiments, Labs, Activities, and Kits					
		Recipe: <u>Pineapple Chicken with sweet and sour sauce</u>			Create a classification system for your kitchen cupboard spices or canned goods.
Printables					
	Optional: <u>Classification workbook</u> - Use over the course of the week.		<u>What's in a Name? Classification lesson</u>		<u>A Portrait of Linnaeus</u>  <u>Linnaeus poster</u>  Timeline entry: Carl Linnaeus 1707-1778
Videos					
	Crash Course: <u>Taxonomy: Life's Filing System</u> *A lot of evolution is mentioned, but it's a good explanation on how things are classified.		Bozeman Science: <u>Classification of Life</u> *Evolution and natural selection are mentioned.		<u>The work of Carl Linnaeus Primary Science SciTube</u>
Websites					
		Article <u>Kingdom of Plants: Defying Evolution</u>		BrainPOP <u>Six Kingdoms Classification</u>	
Nature, Journaling, and Art					
<i>Optional</i> Choose your journaling activities from these books:	<u>The Laws Guide to Nature Drawing and Journaling</u>	<u>Keeping a Nature Journal</u>	<u>Nature Anatomy Notebook</u>		
<u>Draw Like an Artist: 100 Flowers and Plants</u>				p. 96 Bamboo	