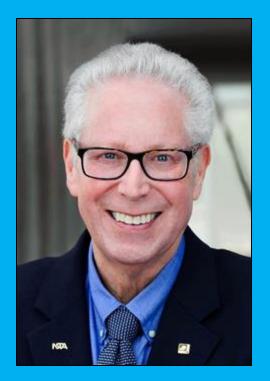
Welcome to the SEAL Solar Eclipse Expert Webinar

Your Solar Eclipse Leaders





Andrew Fraknoi

Dennis Schatz

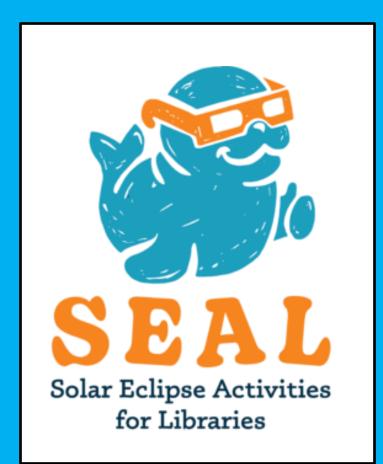
Thanks!

To the Gordon and Betty Moore Foundation, for their generous support of this program



<u>About</u>

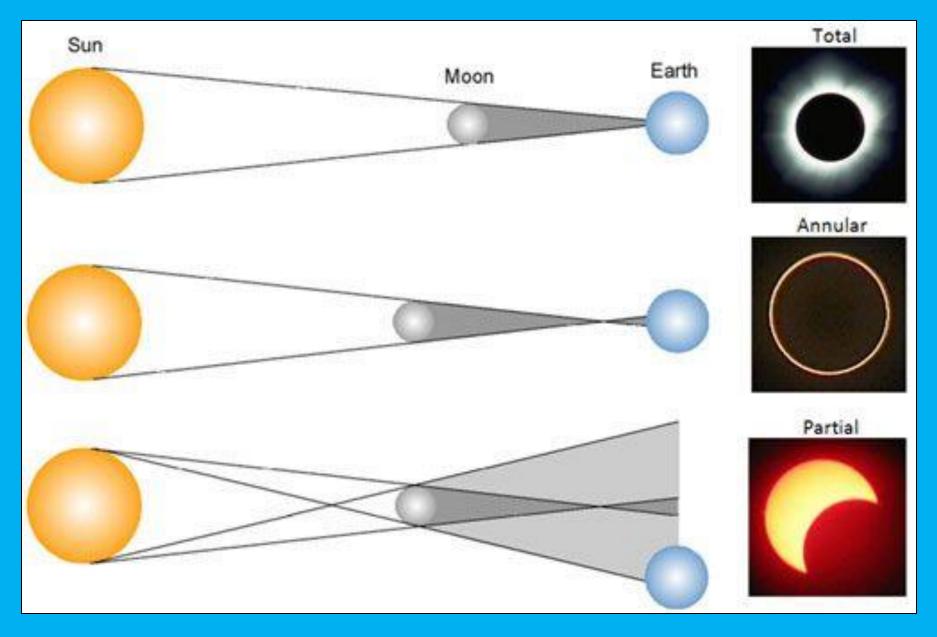


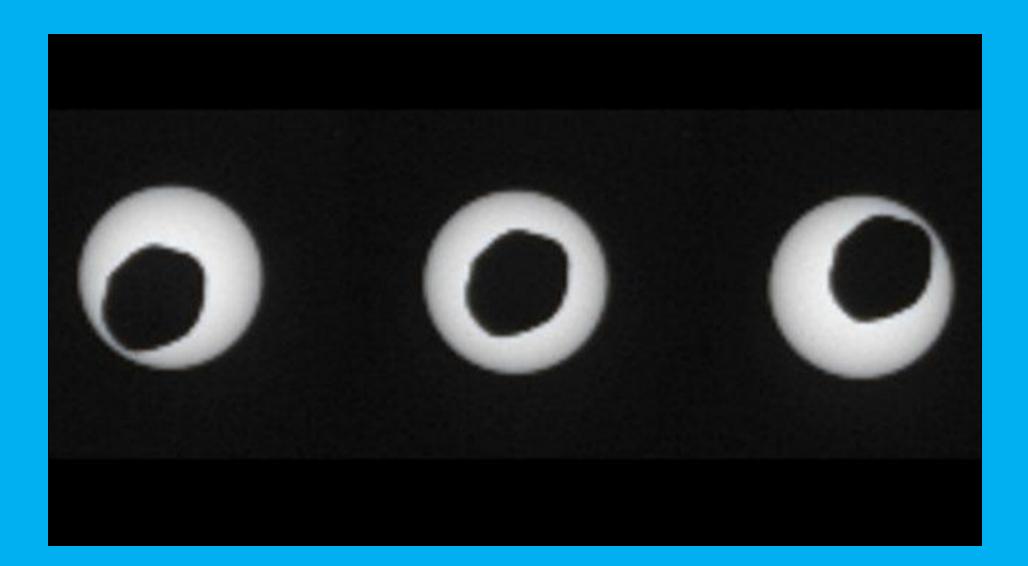


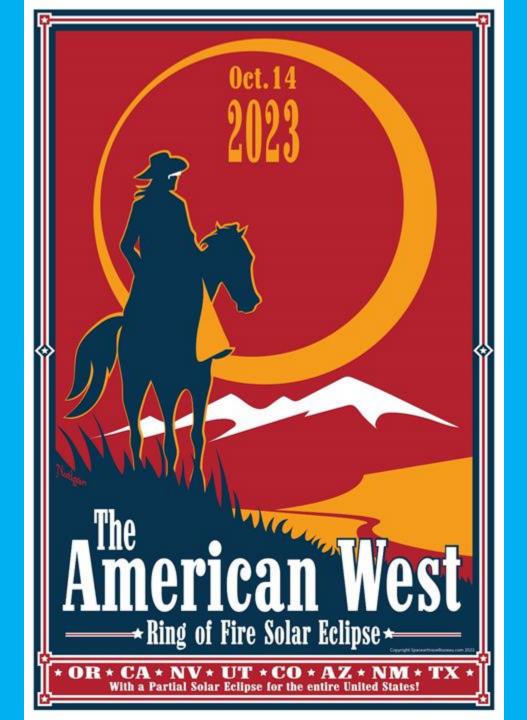
The 2023-2024 North American Eclipse Double-Header

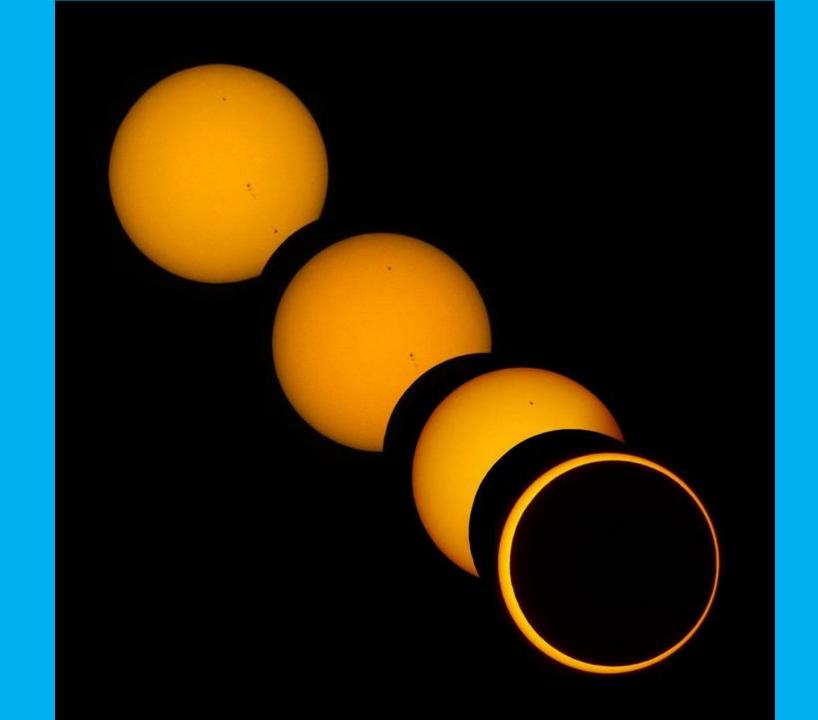


DIFFERENT TYPES OF SOLAR ECLIPSES

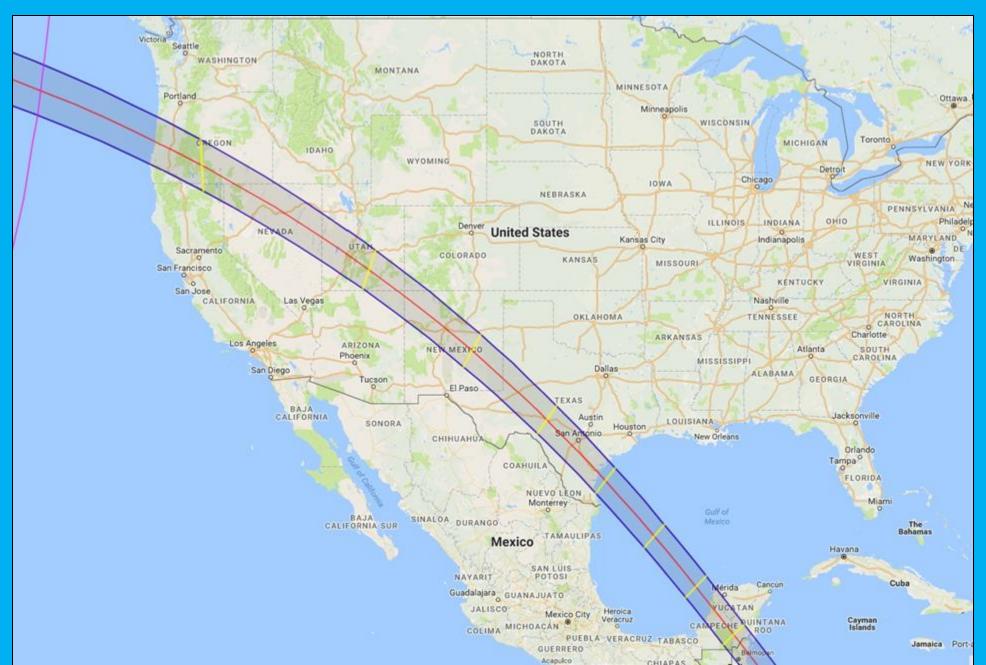








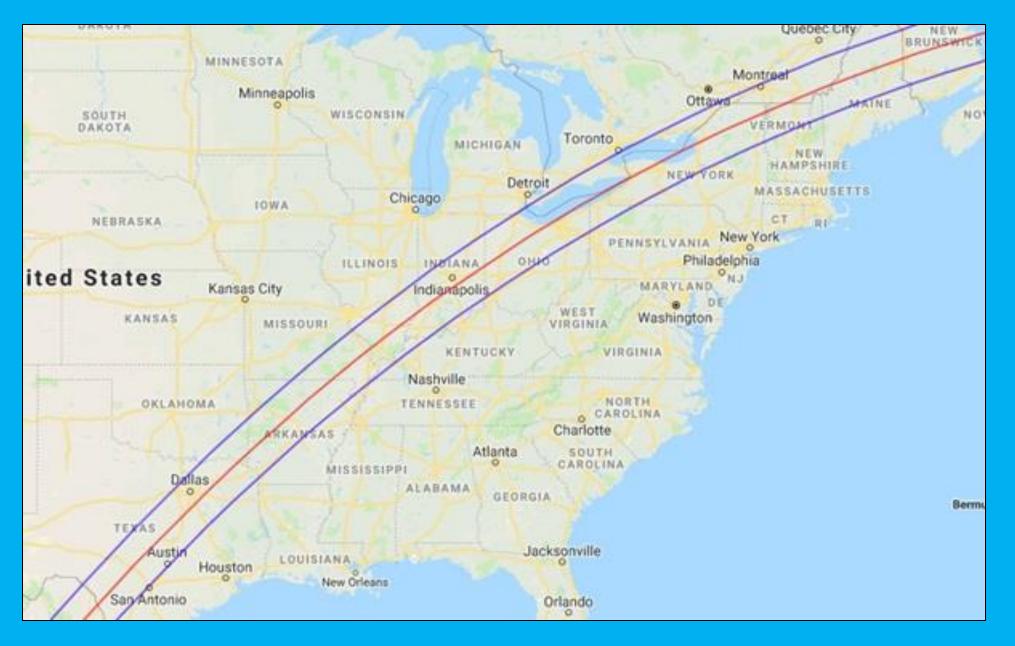
Saturday, Oct. 14, 2023 Annular Eclipse







Monday, April 8, 2024 Total Eclipse



Who will see some kind of eclipse in 2023-24?

U.S. = 332 million Canada = 37 million <u>Mexico = 129 million</u> TOTAL = 498 million



Contemplating Eclipse Programming Challenges







5 million glasses distributed free through 10,000 public libraries



Let's Get Started

Requirements for Being a SEAL Eclipse Expert

Know or learn enough to comfortable with eclipse science and safe viewing

Partner with local libraries to offer public programs, viewing sessions, and/or other engagements leading up to the 2023 and 2024 solar eclipses. Activities should include information about:

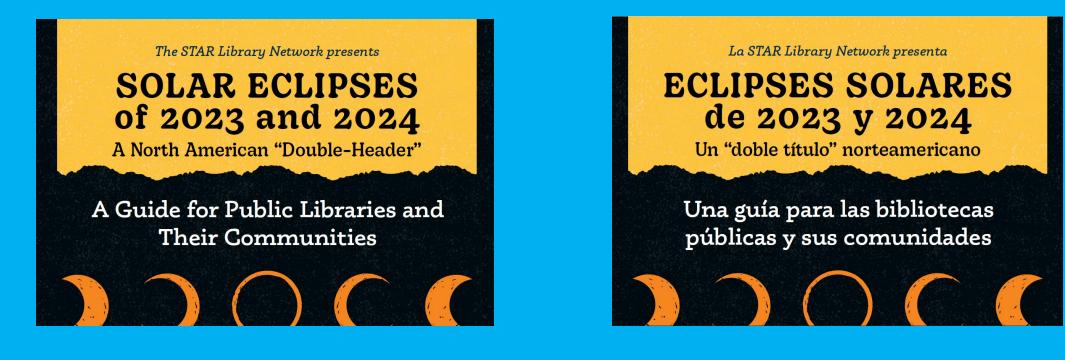
a) The time of the eclipses in your location

b) Safe eclipse viewing techniques.

c) An understanding of what causes the solar eclipses.

Report back to SEAL on the community activities you have done using the "SEAL Report Form" we will provide.

Key Solar Eclipse Resources



http://bit.ly/eclipsesforlibraries

http://bit.ly/spanishlibrariesbooklet

Solar Eclipse Resources

SELECTED ECLIPSE ACTIVITIES FOR EDUCATORS A Guide by Andrew Fraknoi (Jan. 2023) © copyright 2023 A. Fraknoi. All rights reserved. Contact: fraknoi@fhda.edu



Activities about Eclipses and Viewing them Safely

The Yardstick Eclipse: How Eclipses Work. From the Astronomical Society of the Pacific (requires a yardstick and other household items to model how eclipses happen): <u>https://astrosociety.org/file_download/inline/083a7833-c1a7-4270-aa5a-</u> <u>d48e036e424a</u> An article discussing a student-centered version of this activity can be found at: <u>https://eclipse.aas.org/sites/eclipse.aas.org/files/Miranda-etal-SS-</u> <u>Oct2016.pdf</u> An elegantly laid-out version of the yardstick activity is at: <u>https://nso.edu/wp-content/uploads/2018/10/YardstickEclipse.pdf</u>

Modeling Eclipses. From the Pacific Science Center & Dennis Schatz (use hula hoops and other easy material to teach about why eclipses are rare):

http://bit.ly/teacheclipse

- <u>http://community.starnetlibraries.org</u>
- You will be automatically registered with your provided email and a temporary password
- Check your spam folder
- If you haven't received an email in your inbox or spam folder reach out to Sky Reid-Mills
- sreidmills@spacescience.org





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Welcome to the STAR Net Community!

can collaborate with fellow library staff? Do you want to discover new and exciting opportunities that you can share with your patrons? Do you want to thrive in your field and beyond?

Are you looking for a professional environment where you Take a peak at what this community offers by exploring our available topic groups, professional development trainings, upcoming steam events and blogs you can read for ideas and inspiration.

Note: You'll need to sign-up/sign-in to participate!

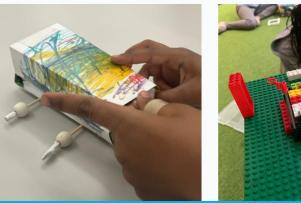
As part our community, you will get access to the latest activities, resources and announcements through our unique social network.





Solar Eclipse Activities for Libraries

Our Latest Blogs

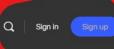






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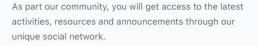


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Our Latest Blogs







Email Address	
dconnelly@spaceso	cience.org
Password	
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You're signed in and ready to go!



Our Latest Blogs





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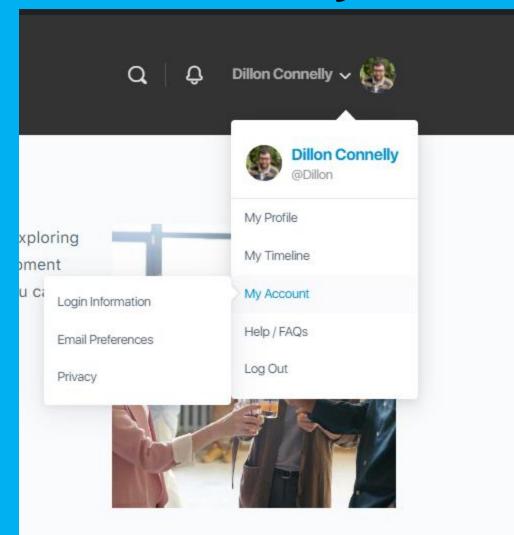
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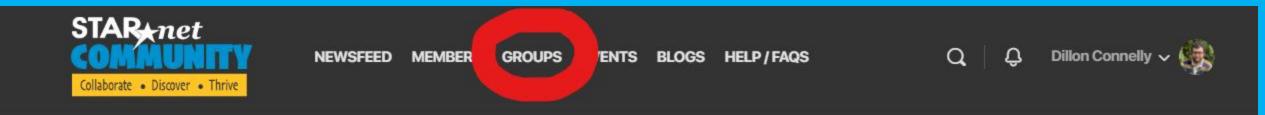




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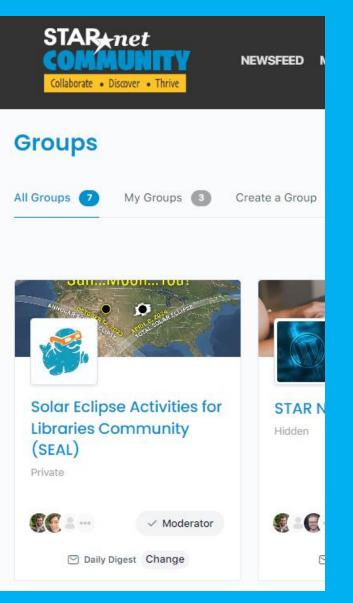
Welcome to the STAR Net Community!

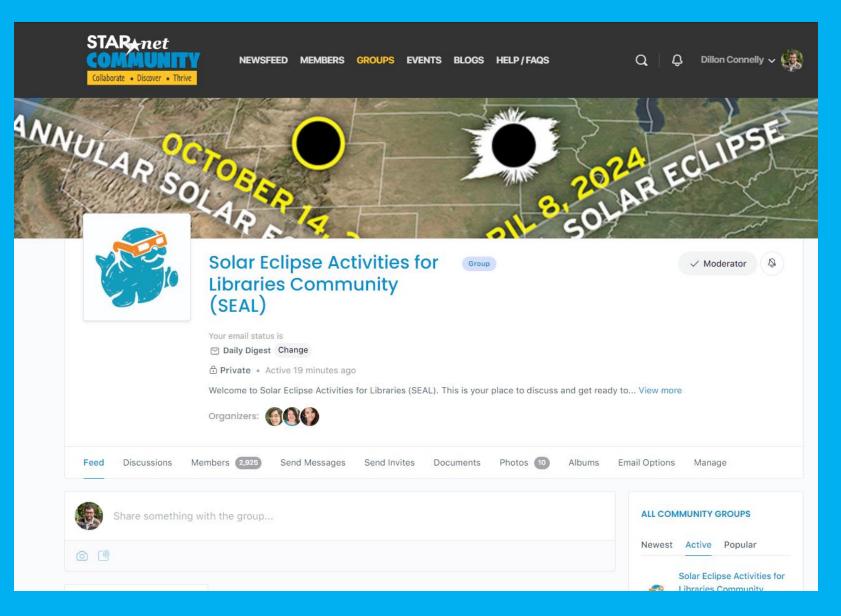
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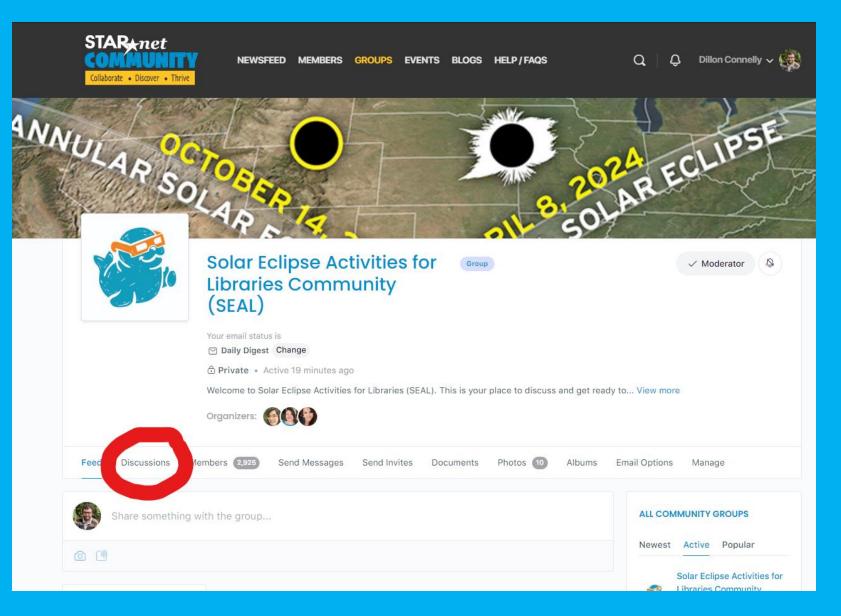
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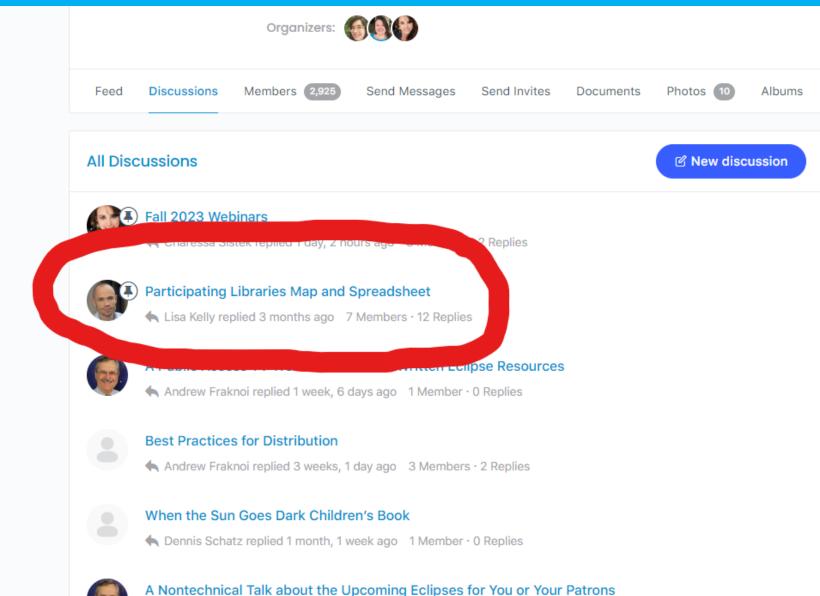




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A Nontechnical Talk about the Upcoming Eclipses for You or Your Patrons



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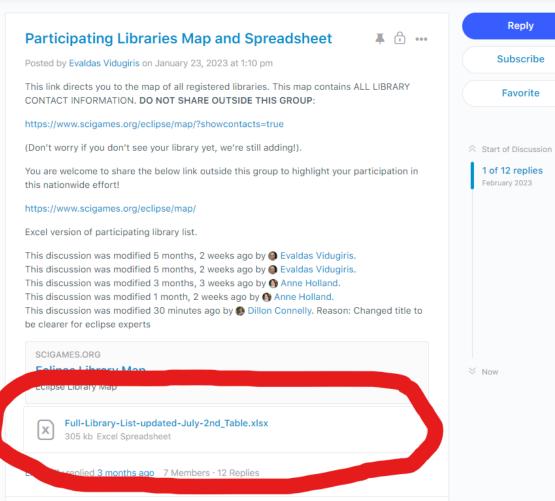
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Participating Libraries Map and Spreadsheet 🛛 📮 🔂 🚥	Reply
Posted by Evaldas Vidugiris on January 23, 2023 at 1:10 pm	Subscribe
This link directs you to the map of all registered libraries. This map contains ALL LIBRARY CONTACT INFORMATION. DO NOT SHARE OUTSIDE THIS GROUP:	Favorite
https://www.scigames.org/eclipse/map/?showcontacts=true	
(Don't worry if you don't see your library yet, we're still adding!).	Start of Discussion
You are welcome to share the below link outside this group to highlight your participation in this nationwide effort!	1 of 12 replies February 2023
https://www.scigames.org/eclipse/map/	
Excel version of participating library list.	
This discussion was modified 5 months, 2 weeks ago by Sevaldas Vidugiris. This discussion was modified 5 months, 2 weeks ago by Sevaldas Vidugiris. This discussion was modified 3 months, 3 weeks ago by Anne Holland. This discussion was modified 1 month, 2 weeks ago by Anne Holland. This discussion was modified 30 minutes ago by Dillon Connelly. Reason: Changed title to be clearer for eclipse experts	
SCIGAMES.ORG Eclipse Library Map Eclipse Library Map	Now
Full-Library-List-updated-July-2nd_Table.xlsx 305 kb Excel Spreadsheet	
Lisa Kelly replied 3 months ago 7 Members · 12 Replies	

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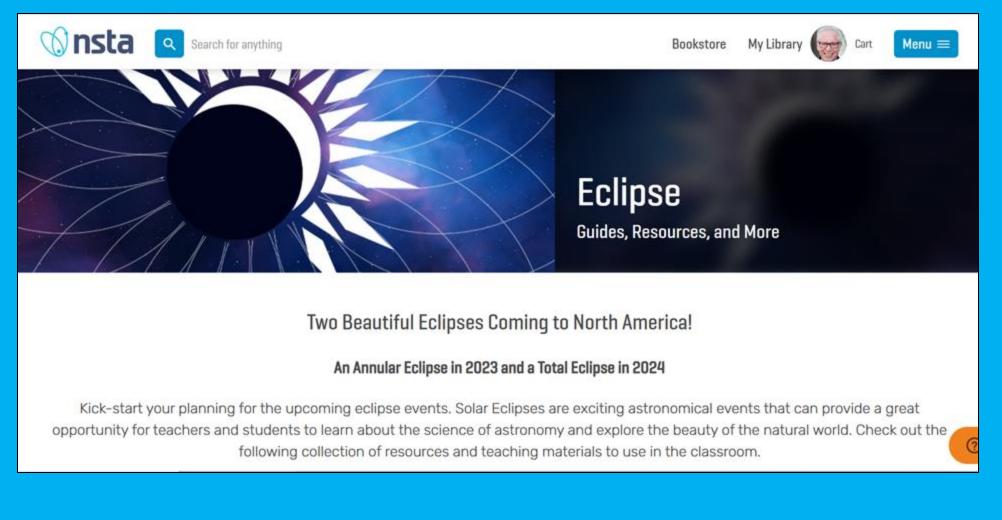
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A	В	С	D	E	F
	-	-		-	Zip <
2 Kenai Community Library	Elizabeth Druay Kleweno	ekleweno@kenai.city	Kenai	AK	99611
3 Anchorage Public Library	Samantha Blanquart	samantha.blanquart@anchorageak	Anchorage	AK	99503
4 Seward Community Library & Museum	Bailey Sayler	bsayler@cityofseward.net	Seward	AK	99664
5 Skagway Public Library	Rachel Dewan	r.dewan@skagway.org	Skagway	AK	99840
6 Innoko River School and Tribal Library	Joyanne Hamilton	innoko_bird@mac.com	SHAGELUK	AK	99665
7 Kuskokwim Consortium Library	Theresa Quiner	tquiner@alaska.edu	Bethel	AK	99559
8 Valdez Consortium Library	Molly Walker	mwalker@valdezak.gov	Valdez	AK	99686
9 Big Lake Public Library	Cassidy Drake	biglake.library@matsugov.us	Wasilla	AK	99623
10 Talkeetna Public Library	Geraldine Denkewalter	Talkeetna.library@matsugov.us	Talkeetna	AK	99676
11 Trapper Creek Public Library	Marita Crosby	marita.crosby@matsugov.us	Trapper Creek	AK	99683
12 Birmingham Public Library	Heather McWilliams	heather.mcwilliams@cobpl.org	Birmingham	AL	35203
13 Gadsden Public Library	Rachel Cole	rcole@gadsdenlibrary.org	Gadsden	AL	35901
14 Lineville City Library	catherine memmolo	linevillelibrary@gmail.com	Lineville	AL	36266
15 Scottsboro Public Library	Jared Dovers	director@scottsborolibrary.org	Scottsboro	AL	35768
16 Dothan Houston County Library System	Ashley Bynum	abynum@dhcls.org	Dothan	AL	36303
17 Arab Public Library	Tanya Alexander	library@arabcity.org	Arab	AL	35016
18 Abbeville Memorial Library	Paul McNamara	librarian.abbeville.library@gmail.c		AL	6310-2418
19 Cosby	Alyssa	publicw@bellsouth.net	Woodville	AL	35776
20 Center Point Public Library	Cara Wilhelm	cara.wilhelm@centerpointlibrary.o		AL	35215
21 Ashland City Library 22 Oxford Public Library	Bethany Amy Henderson	ashlibrary4u@gmail.com	Ashland Oxford	AL AL	36251 36203
23 Mobile Public Library	Emmie Powell	amy.henderson@oxfordal.gov epowell@mplonline.org	Mobile	AL	36609
24 Huntsville Madison County Public Library	Jessica Lister	jlister@hmcpl.org	Huntsville	AL	35801
25 NEWBERN PUBLIC LIBRARY	BARBARA WILLIAMS	NEWBERNLIBRARYINC@GMAIL.COM		AL	36765
26 Carl Elliott Regional Library	Stephen Underwood	sunderwood@carlelliottlibrary.org		AL	35501
27 Colbert County High School Library	Elisea R. Hatton Smith	rsmith@colbert.k12.al.us	Leighton	AL	35646
28 Homewood Public Library	Cristina Castor	cristina.castor@homewoodpublicli	•	AL	35209
29 Cedarville Public Library	Michele Belk	mbelk@crawfordcountylib.org	Cedarville	AR	72932
30 Pope County Library System	Tammy Montjoy	tmontjoy@popelibrary.org	Russellville	AR	72801
31 Gentry Public Library	Linda Crume	Icrume@gentrylibrary.us	Gentry	AR	72734
32 Gravette Public Library	Karen Benson	kbenson@gravettear.com	Gravette	AR	72736
33 Fayetteville Public Library	Willow Fitzgibbon	wfitzgibbon@faylib.org	Fayetteville Publ	AR	72701
34 Arkansas River Valley Regional Library System	-	arvrls.director@gmail.com; directo		AR	72834
35 Gattis Logan County Library	Amber Mikles	gattislogancntylib@gmail.com	Paris	AR	72855
36 Charleston Public Library	Hannah Gillean	chpublibrary.mgr@gmail.com	Charleston	AR	72933

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1	Library 👻	Contact Name	Email		City 🔽	State	Zip 👻
2	Kenai Community Library	Elizabeth Druay Kleweno	ekleweno@kenai.city	A J Sort A to	z		99611
3	Anchorage Public Library	Samantha Blanquart	samantha.blanquart(Sort Z to	^		99503
4	Seward Community Library & Museum	Bailey Sayler	bsayler@cityofsewar				99664
5	Skagway Public Library	Rachel Dewan	r.dewan@skagway.o	Sor <u>t</u> by Col	or	>	99840
6	Innoko River School and Tribal Library	Joyanne Hamilton	innoko_bird@mac.co	Sheet <u>V</u> iew		>	99665
7	Kuskokwim Consortium Library	Theresa Quiner	tquiner@alaska.edu	Clear Filte	r From "State"		99559
8	Valdez Consortium Library	Molly Walker	mwalker@valdezak.g	Filter by Co		>	99686
9	Big Lake Public Library	Cassidy Drake	biglake.library@mats		nor		99623
10	Talkeetna Public Library	Geraldine Denkewalter	Talkeetna.library@m	Text <u>F</u> ilters		>	99676
11	Trapper Creek Public Library	Marita Crosby	marita.crosby@mats	Search		Q	99683
12	Birmingham Public Library	Heather McWilliams	heather.mcwilliams@	🗹 (Sel	ect All)	^	35203
13	Gadsden Public Library	Rachel Cole	rcole@gadsdenlibrary	🗹 AK			35901
14	Lineville City Library	catherine memmolo	linevillelibrary@gma	🗹 AL			36266
15	Scottsboro Public Library	Jared Dovers	director@scottsborol	- AR			35768
16	Dothan Houston County Library System	Ashley Bynum	abynum@dhcls.org	🗹 AZ 🗹 CA			36303
17	Arab Public Library	Tanya Alexander	library@arabcity.org				35016
18	Abbeville Memorial Library	Paul McNamara	librarian.abbeville.lib				6310-2418
19	Cosby	Alyssa	publicw@bellsouth.n	🗹 DC		~	35776
20	Center Point Public Library	Cara Wilhelm	cara.wilhelm@center	:			35215
21	Ashland City Library	Bethany	ashlibrary4u@gmail.		ОК	Cancel	36251
22	Oxford Public Library	Amy Henderson	amy.henderson@oxf	_			36203
23	Mobile Public Library	Emmie Powell	epowell@mplonline.or	g	Mobile	AL	36609
24	Huntsville Madison County Public Library	Jessica Lister	jlister@hmcpl.org		Huntsville	AL	35801
25	NEWBERN PUBLIC LIBRARY	BARBARA WILLIAMS	NEWBERNLIBRARYINC@	GMAIL.COM	NEWBERN	AL	36765
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27	Colbert County High School Library	Elisea R. Hatton Smith	rsmith@colbert.k12.al.	us	Leighton	AL	35646
28	Homewood Public Library	Cristina Castor	cristina.castor@homev	voodpublicli	Birmingham	AL	35209
29	Cedarville Public Library	Michele Belk	mbelk@crawfordcount	ylib.org	Cedarville	AR	72932
30	Pope County Library System	Tammy Montjoy	tmontjoy@popelibrary.	org	Russellville	AR	72801
31	Gentry Public Library	Linda Crume	lcrume@gentrylibrary.u	IS	Gentry	AR	72734
32	Gravette Public Library	Karen Benson	kbenson@gravettear.c	om	Gravette	AR	72736
33	Fayetteville Public Library	Willow Fitzgibbon	wfitzgibbon@faylib.org	I.	Fayetteville Pub	I AR	72701
34	Arkansas River Valley Regional Library Syster	r Misty Hawkins	arvrls.director@gmail.	com; directo	DARDANELLE	AR	72834
35	Gattis Logan County Library	Amber Mikles	gattislogancntylib@gm	nail.com	Paris	AR	72855
36	Charleston Public Library	Hannah Gillean	chpublibrary.mgr@gma	ail.com	Charleston	AR	72933
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	Theresa Quiner			 @alaska.edu	<u>⊼</u> ⊆	oor Eilt	or From	"C+-+	. "					99559						
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	Heather McWilliam	ns	heathe	r.mcwilliams@		. 🔳 (Se	lect All)						3520	3						
	Rachel Cole		rcole@	gadsdenlibrary			,							35901						
	catherine memmo	olo	lineville	elibrary@gma										36266						
	Jared Dovers		directo	r@scottsboro	-								:	35768						
	Ashley Bynum		abynum	n@dhcls.org										36303						
	Tanya Alexander		library@	@arabcity.org									:	35016						
	Paul McNamara		libraria	n.abbeville.lib									6310	-2418						
	Alyssa		publicw	/@bellsouth.r								.		35776						
	Cara Wilhelm		cara.wi	lhelm@cente		_								35215						
	Bethany		ashlibra	ary4u@gmail.				OK		Car	ncel			36251						
	Amy Henderson		amy.he	nderson@oxf								.:		36203						
	Emmie Powell		epowel	l@mplonline.	org		Mobi	le		AL				36609						
	Jessica Lister		jlister@	hmcpl.org			Hunt	sville	2	AL			;	35801						
	BARBARA WILLIAM	IS	NEWBE	RNLIBRARYINC	@GMAII	.com	NEW	BERN	N	AL				36765						
	Stephen Underwo	od	sunder	wood@carlell	iottlibra	ry.org	Jaspe	er		AL			;	35501						
	Elisea R. Hatton S	mith	rsmith(@colbert.k12.	al.us		Leigh	nton		AL				35646						
	Cristina Castor		cristina	.castor@hom	ewoodp	ublicl	i Birmi	ingha	am	AL				35209						

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1				City 🔻		Zip 💌
	Maricopa Library and Cultural Center	Doug Fortunato	douglas.fortunato@maricopa-az.go		AZ	85138
62	Yuma County Library District	Lisa Mendez	lisa.mendez@yumalibrary.org	Yuma		85364
63 64	Safford City - Graham County Library Tempe Public Library	Lesley Talley Laurel Plapp	Italley@saffordaz.gov laurel_plapp@tempe.gov	Safford Tempe	AZ AZ	85546 85282
65	Prescott Valley Public Library	Michele Hjorting	mhjorting@prescottvalley-az.gov	Prescott Valley		86314
66	Litchfield Park Library	Janelle Yoder	JanelleYoder@mcldaz.org	Litchfield Park	AZ	85340
67	Coolidge Public	Danielle Duran	danielle.duran@pinal.gov	Coolidge	AZ	85128
68	GateWay Community College Library	Betty Murphy	betty.murphy@gatewaycc.edu	Phoenix	AZ	85035
69	Apache Junction Public Library	Stephanie Greene	sgreene@apachejunctionaz.gov	Apache Junction	AZ	85119
70	Page Public Library	Debbie Winlock	dwinlock@pageaz.gov	Page	AZ	86040
71	Greenlee County Library System	Karen Soohy	ksoohy@greenlee.az.gov	Duncan	AZ	85534
72	The Copper Queen Library	Alison E. Williams	awilliams@bisbeeaz.gov	Bisbee	AZ	85603
73	Huachuca City Library	Stephanie Fulton	Sfulton@huachucacityaz.gov	Huachuca City	AZ	85616
74 75	White Tank Branch Cottonwood Public Library	Hanna Bozhko Danielle Ave	hannabozhko@mcldaz.org dave@cottonwoodaz.gov	Waddell COTTONWOOD	AZ	85395 86326
76	Douglas Public Library	Margaret White	margaret.white@douglasaz.gov	Douglas	AZ	85607
77	Camp Verde Community Library	Zack Garcia	zachary.garcia@campverde.az.gov		AZ	86322
78	Mohave County Library	Wendy Wagner	wagnew@mohave.gov	Kingman	AZ	86409
79	Nogales Santa Cruz County Public Library	Denisse Ortega	dortega@nogalesaz.gov	Nogales	AZ	85621
80	Superior Public Library	Tony Solis	tony.solis@pinal.gov	Superior	AZ	85173
81	Pima County Public Library	Kendra Davey	kendra.davey@pima.gov	Tucson	AZ	85701
82	Eloy Santa Cruz Library	Vivianna Flores	vivianna.flores@pinal.gov	ELOY	AZ	85131
83	Colorado City Unified School District	Kelsey Speaks	mskelsey@ccschools.us	Colorado City	AZ	86021
84	Peoria Public Library - Main	Jenni Gordon	jgordon@peoriaaz.com	Peoria	AZ	85345
85 86	Winslow Public Library Northwest Regional Library	Brandee Leary Dianna Manasse	bleary@winslowaz.gov diannamanasse@mcldaz.org	Winslow Surprise	AZ AZ	86047 85024
87	Maricopa County Library District	Jolene Bradley	servicesteam@mcldaz.org	Sun Lakes	AZ	85248
88	Maricopa County Library District (They're a d	,	jolenebradley@mcldaz.org	Sun Lakes	AZ	85248
89	Phoenix Public Library	Wendy Resnik	wendy.resnik@phoenix.gov	Phoenix	AZ	85004
90	Payson Public Library	Sianee Hawkins	shawkins@paysonaz.gov	Payson	AZ	85541
91	Florence Community Library	Lisa Lewis	Lisa.Lewis@florenceaz.gov	Florence	AZ	85132
92	Beaver Creek Library	Elizabeth Franklin	beth.franklin@yavapaiaz.gov	Rimrock	AZ	86335
93	Globe Public Library	Rayel Starling	globepubliclibraryrs@gmail.com	Globe	AZ	85501
94	Chino Valley Public Library	Rebecca Laurence	rlaurence@chinoaz.net	Chino Valley	AZ	86323
95	Sedona Public Library	Jan Marc Quisumbing	janmarc@sedonalibrary.org	Sedona	AZ	86336

More Solar Eclipse Resources







Educator and Administrator Guides



any people in the U.S. experienced the celential beauty and any people in the U.S. experienced the commat beauty and verse of wonder of the 2017 total eclipse of the Sun. As the More of wonder of the 2017 total octaye of the sam. As the More crossed in front of the San, the San word dark, and the a Moon crossed in trent of the San, the San were cars, and the day suddenly surned and night. Whether you saw it or not, we have day suddenly surned ano right, wheney you saw it or not, we have good news. Two solar eclipses are coming to North America scen-Biod news. Tern solar eclipses are coming to Nerth America scon-a "Double-Hoalist" - on Salurday, October 14, 2023 (an annutara 'Double-Header'-on Saturday, October 14, 2023 (an annum-or ring-of-line-edipse) and Monday, April 8, 2024 (a total edipse). or imposting-ecopier and intensity. April 8, 2024 (a total ecopier). Everyone not on the narrow eclipse path in North America will see a Everyone not on me narrow eclipse parts in North America will see a partial eclipse on both dates, where the Moon overs part of the Sun's

variace. To see the most of firm during the annular eclipse, you will need to be

to see the rang-of-ane during the annutar ectipie, year win need to be in a 100 mile-wide publishat stretches from the coast of Oregon to the isosthatet coast of Tesan. To see the solar cocora (the Sun's faint atmosphere) during the total To see the solar oceans (the Set?'s tant atmosphere) during the solar edipte, you need to be in a 150 mile across path that starts in Merectipse, you need to be in a 150 mile across part that suries in terri-leo, enters the U.S.In. Texas and moves northeast through a number of too, emers the U.S.m. locas and moves northeast through a number of states until leaving the U.S from New York. From there it moves on to

nie easem part ce Canada. Randy does nature celler us such wonderful teachable moments. namity does nature oner us such wonderna teacharea monerna, when our readents can experience key science creacipts while deservwhen our students can experience key science concepts when ecour-ing a operatular sky event first hand. This Culde gives you the key the eastern part of Canada ing a speciacular sky event tiest hand. This cuice pres you the vey information and lades to other resources you used, so that you, your information and tasks to other resources you need, so that you, your students, and your community can make the most of these two eclipses. tudients, and your community can make the meet of these two eclipses. The following clickable Table of Consents allows you to go detectly

to each topic. May you have clear skies and enduationic learners during the two to each topic.

eclipses. Dennis Schatz Andrew Probert











NSTA Press books

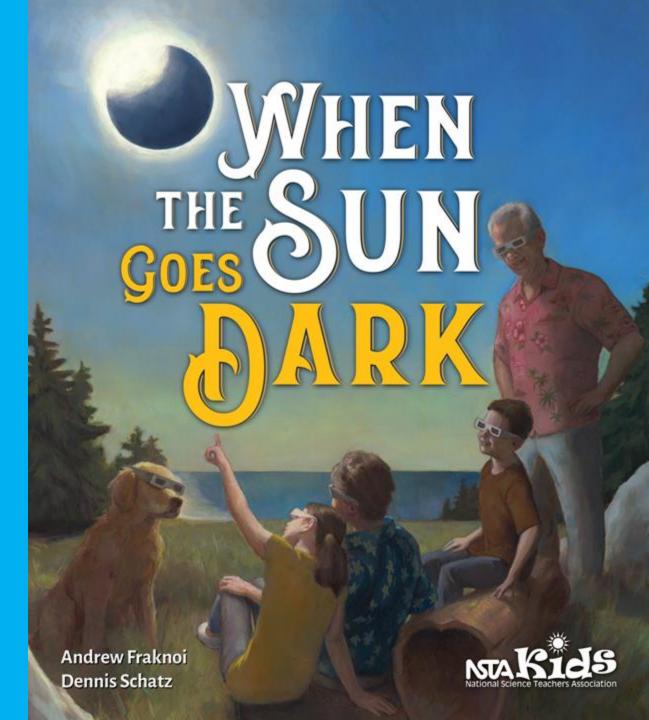


Solar Science: Exploring Sunspots, Seasons, Eclipses, and More by: Dennis Schatz and Andrew Fraknoi OKHEN THE SUN OARKO

When The Sun Goes Dark by: Andrew Fraknoi and Dennis Schatz

⑦ Help

https://www.nsta.org/eclipse



http://bit.ly/ sungoesdark



Now Grandma told us to move the balls around our heads a little bit at a time, going from right to left. As I slowly took the ball around, the side facing me started getting lit up a bit by the lamp's light.

Grandma told us to stop moving the tennis balls for a minute, then said, "That's what happens to the Moon. As it goes around the Earth, we see different amounts of sunlight reflecting off its surface."

As 1 moved the tennis ball Moon farther around my head, the ball showed more and more light. When the ball was on the opposite side of my head from the lamp, I held it high and could see it all lit up.

"What do we call it when the lit-up side of the Moon is facing the Earth?" Grandma asked. Sammy didn't know, but after I thought about it for a minute, I thought I knew. "Is that a full Moon?" I asked.

Grandma gave me a thumbs-up, but out of a corner of my eye, I could see Sammy sticking his tongue out at me. He didn't like it when I got an answer faster than he did. But it's not my fault I'm older.

Grandma told us that the time it took for the Moon to go from new Moon to full Moon and back to new Moon is close to what we call a month. I was used to connecting months to events on Earth, like vacations, but I thought it was OK for months to be connected to something in space, too.

We moved the balls around our heads and saw different portions of the Moon lit up in different locations. In two places, the Moon was half lit up and half dark; in other places, we just saw a sliver of light, which Grandma called a crescent Moon. Waning gibbout

Third

0

First quarter

After Sammy and I had explored for a while, Grandma said, "The different portions of the Moon lit up by reflected sunlight are called the *phases* of the Moon."

That was a good new word to know, but even after Sammy and I had taken the tennis ball Moon around the Earth about five times, I still wasn't sure how this was connected to eclipses.

RIGHT: The outer circle of Moon diagrams shows what is visible in the sky from Earth. The inner circle of Moon diagrams shows what would be visible from space, looking down from above the Earth-Moon system.

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How Can You Plan to Support Libraries & Other Community Groups?

Write Your Ideas in the Chat Window

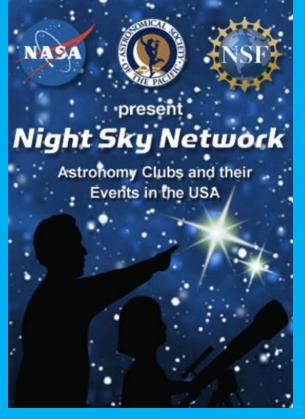
Strategies to Support Libraries We Saw in 2017

Give a public eclipse talk at the library or community center
Help librarians set up eclipse activity tables for families
Provide safe solar observing opportunities

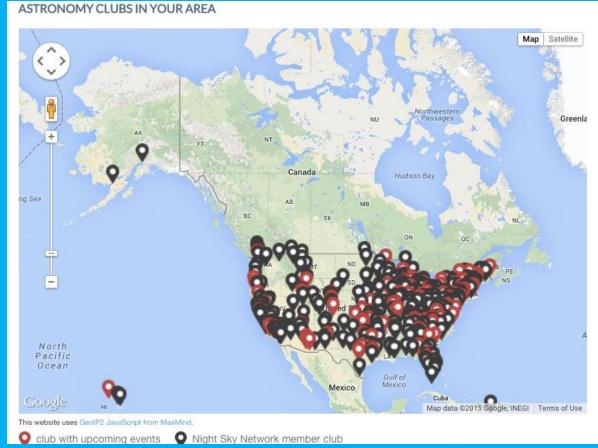
 (perhaps with help from local amateurs)
 Do a training workshop for library staff

Hold eclipse office hours on Zoom to answer questions

WHO CAN HELP YOU?



Over 400 astronomy clubs around U.S. doing community & school outreach





astroleague.org

Over 240 clubs around the US

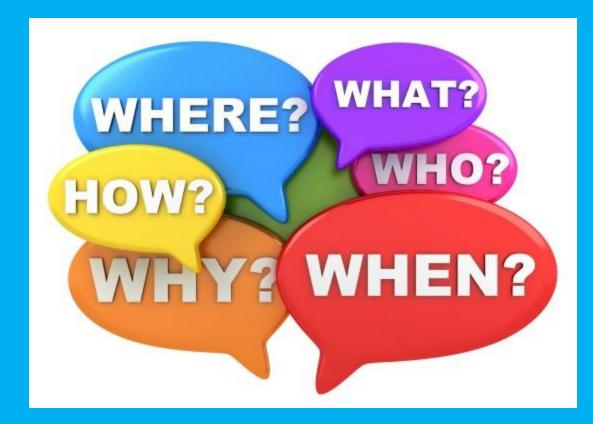
If you are an amateur astronomer, check to see what astronomy instructors at your local community college, or 4-year college or university are doing for the eclipse



What Would You Like Covered in Future Webinars?

Please Write Your Requests in the Chat Window

Time For Questions



What's Next in the Program?

- Explore the SEAL Community Page
- Communicate with Librarians and other Experts on the SEAL Community Page
- Contact Libraries You Wish to Partner With
- Stay Tuned for Upcoming Solar Eclipse Expert Webinars

Thank You Again for Being Willing to Support Libraries to Make the Most of the Upcoming Solar Eclipse Double-Header

HAVE A SWEET TIME

PLANNING FOR THESE SKY SPECTACLES

