



Newsletter

2024/11

n° 17

**EDITORIAL
NEWS
LAST NASE COURSES
TEACHING MATERIALS**

Editorial

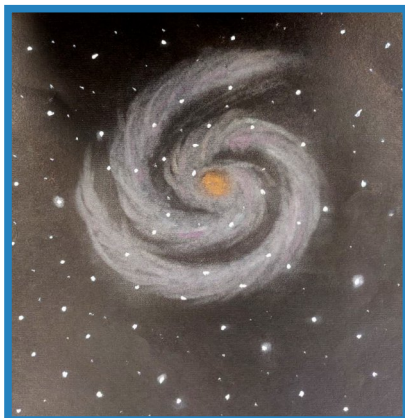
www.naseprogram.org
[@naseastronomy](https://www.instagram.com/naseastronomy)



The “Messier Challenge” has been a NASE project, integrated into UNESCO’s “International Day of Light”, which, this year, generated an impressive number of reports. We received 559 reports from 13 countries. Most of the reports were from Iran, Spain, China, Romania, Argentina, Armenia and Nicaragua.

Many students observed several diffuse objects with the naked eye, with binoculars or with small telescopes. We received their drawings and photos from students between 3 and 18 years old. In addition, their teachers emailed us the list of objects that they believe that should be included in a “NASE School Catalog”.

Now, the NASE's goal is to prepare and publish a catalogue that should be useful for use in schools. These 16 objects, from both hemispheres, will be visible to the naked eye or with binoculars. The list will include 4 galaxies, 4 nebulae, 4 open clusters and 4 globular clusters. More details will be included in the next Newsletter.



Thanks to Nase for organizing this great event and for giving us children and teenagers interested in the night sky the opportunity to participate in such an interesting citizen science project.

We held the closing ceremony of this event locally, in the city of Ramsar, in northern Iran, on the shores of the Caspian Sea, in two different schools, on Thursday, October 10. 24 interested children were present with their families. We gave them certificates of participation, along with a free book.

With the warmest greetings
Mahdi Mirfathi, Ramsar, Iran.

Thank you for the opportunity you gave me and my students to participate in your program. We have already received and distributed our certificates. Please let us know about any similar programs in the future.

Sincerely
Varduhi Mkrtchyan,
Armenia.



Thank you very much for the certificates! My students and their parents were delighted. Here are some photos from that day.
Kind regards
Lilit (Armenia).

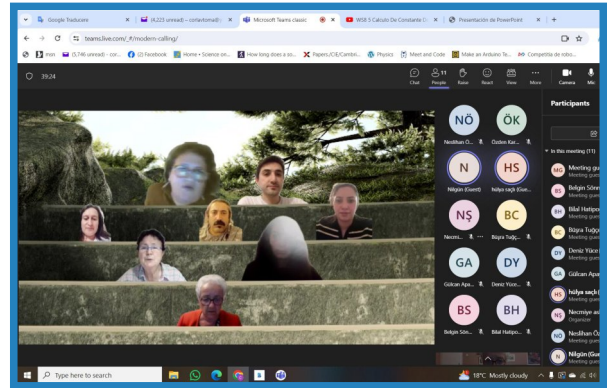
Courses

401 İstanbul, Türkiye April 22nd - June 24th 2024

Completed on June 24th, 2024 in cooperation with EXPEDU (Expedition to Education) Association.

402 Budapest, Hungary April 22nd-27th, 2024

Completed on April 27th, 2024 in cooperation with County Center for Gifted Students and Székely Mikó Theoretical High School.



403 Tunuyán, Argentina April 26th-27th, 2024

Completed on April 27th in cooperation with Municipalidad de Tunuyán y Dirección de Turismo de Tunuyán.





404 Malargüe, Argentina May 3rd-4th, 2024

Completed on May 4th, 2024 in cooperation with Facultad de Ciencias Exactas y Naturales de la UNCuyo y la Municipalidad de Malargüe,

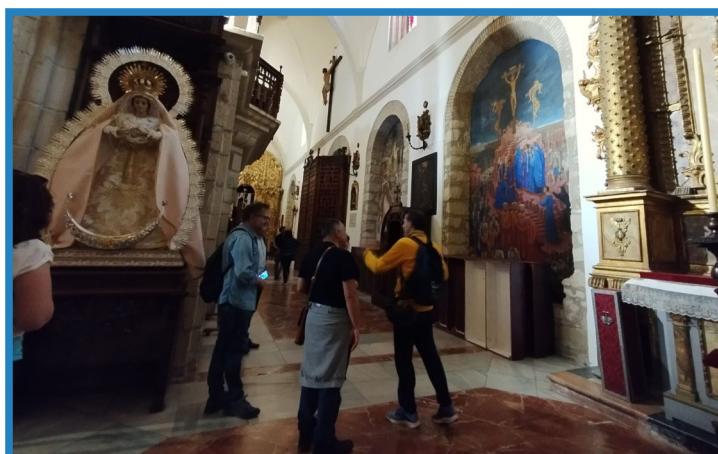


405 Ronda, Spain May 7th -8th, 2024

Completed on May 7 in cooperation with Asociación Astronómica de Ronda Abbás Ibn Firnás.

406 Ronda, Spain May 9th, 2024

Completed on May 7 in cooperation with Asociación Astronómica de Ronda Abbás Ibn Firnás.



407 Tunuyan, Argentina May 10th-11th, 2024

Completed on May 11th, 2024 in cooperation with Municipalidad de Tunuyán and Dirección de Turismo de Tunuyán

408 Molėtai, Lithuania 16th-17th May, 2024

In cooperation with European Association for Astronomy Education, Molėtai Astronomical Observatory and Spanish Embassy in Lithuania.



409 Malargüe, Argentina 17th - 18th May, 2024

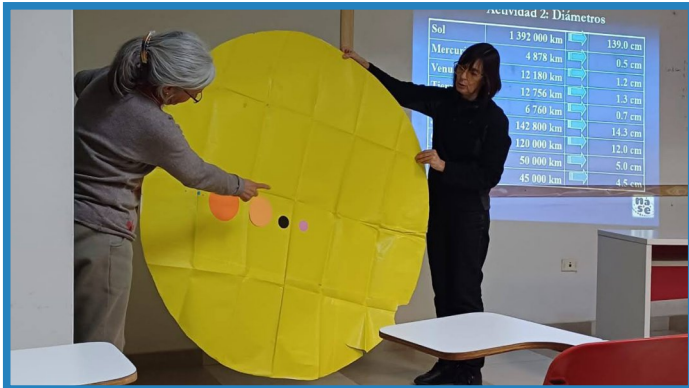
Completed on May 18th, 2024 in cooperation with Facultad de Ciencias Exactas y Naturales de la UNCuyo y la Municipalidad de Malargüe.





410 Tunuyán, Argentina 24th-25th May, 2024

Completed on May 25th, 2024 in cooperation with Municipalidad de Tunuyán and Dirección de Turismo de Tunuyán



411 Malargüe, Argentina May 31st-June 1st, 2024

Completed on June 1st, 2024 in cooperation with Facultad de Ciencias Exactas y Naturales de la UNCuyo and Municipalidad de Malargüe.



412 Malargüe, Argentina June 7th-8th, 2024

Completed on June 8th, 2024 in cooperation with Facultad de Ciencias Exactas y Naturales de la UNCuyo and Municipalidad de Malargüe.



413 Pic du Midi, France June 10th-11th, 2024

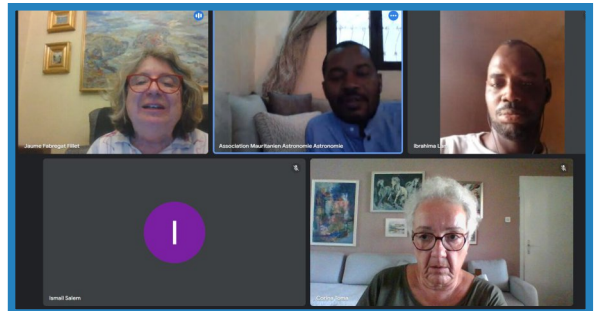
Completed on June 11th, 2024 in cooperation with Comité de Liaison Enseignants Astronomes (CLEA) and European Association for Astronomy Education.



414 Nouakchott, Mauritania June 29th -July 6th 2024

415 Tegucigalpa, Honduras July 1st-7th, 2024

Completed on July 7th, 2024 in cooperation with the Ministry of Education of Honduras and the National Autonomous University of Honduras.



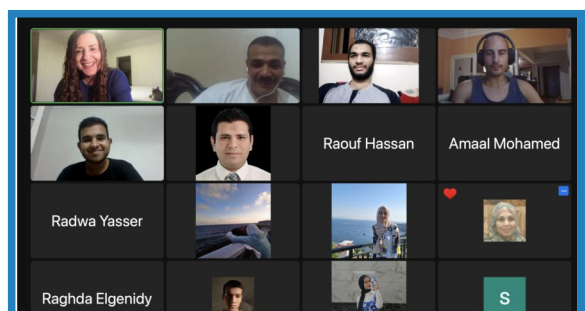


416 Ho Chi Minh, Vietnam July 2nd -5th, 2024

Completed on July 5th, 2024 in cooperation with Ho Chi Minh University of Education.



417 Cairo, Egypt July 10th-11th, 2024 418 Cairo, Egypt July 15th-17th, 2024 419 Cairo, Egypt July 17th-October 17th, 2024





420 Busan, South Korea July 22nd-24th, 2024

Completed on July 24th, 2024 in cooperation with Korea Science Academy of KAIST.



421 Byurakan, Armenia July 23rd-26th, 2024

Completed on July 26th, 2024 in cooperation with Byurakan Astrophysical Observatory.



422 Guatemala, Guatemala July 24th-26th, 2024

Completed on July 26th, 2024 in cooperation with Escuela de Ciencias Físicas y Matemáticas de la Universidad de San Carlos de Guatemala.



NASE 2024

USAC ECFM

423 Santiago de los Caballeros, Dominican Republic August 3rd-4th, 2024

Completed on August 4th, 2024 in cooperation with Club Astronómico de Santiago.



424 Cape Town, South Africa August 16th, 2024

Completed on August 16th, 2024 in cooperation with OAD, Office for Astronomy Development and SAAO, South African Astronomical Observatory.



425 Hyderabad, India August 19th-21st, 2024

In cooperation with Maulana Azad National Urdu University.





426 Bushehr, Iran August 20th-21st, 2024

Completed in cooperation with Mehr Observatory and Ministry of Education.

427 Salta, Argentina August 2024

Completed on August 2024 in cooperation with CONICET.



428 New Delhi, India August 24th-31st, 2024

Completed on August 31st, 2024 in cooperation with Space India.

429 Comodoro Rivadavia, Argentina August 27th-28th, 2024

Completed on August 28th, 2024 in cooperation with CONICET.



430 Shiraz, Iran August 29th, 2024

Completed on August 29th 2024 in cooperation with Bushehr Astronomy Community.

431 Río Gallegos, Argentina August 30th-31st, 2024

Completed on August 31st, 2024 in cooperation with CONICET.





432 Jakarta, Indonesia September 9th-12th, 2024

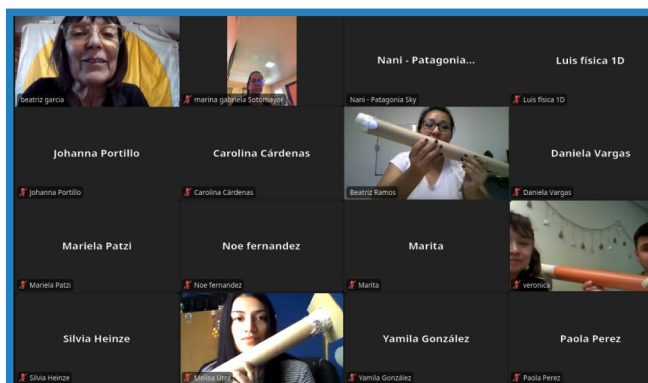
Completed on September 12th, 2024 in cooperation with the State University of Jakarta and Institut Teknologi Sumatera ITERA

433 Santa Cruz, Argentina September 28th-29th, 2024

Completed on September 29th, 2024 in cooperation with CONICET.

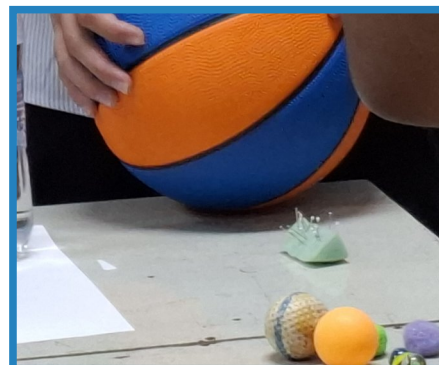
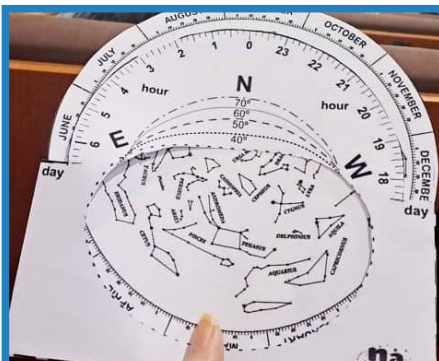
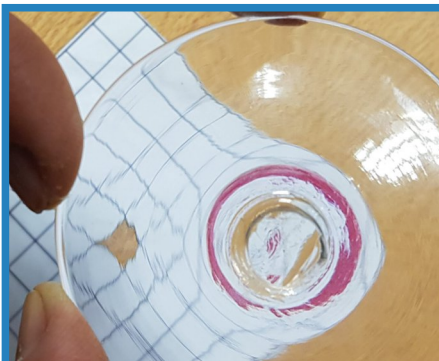
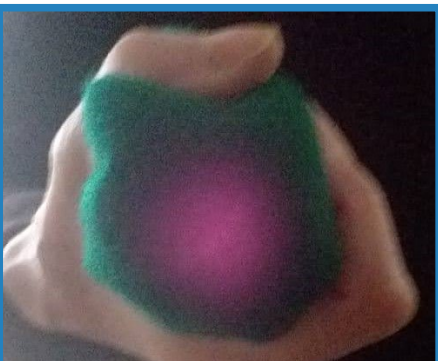
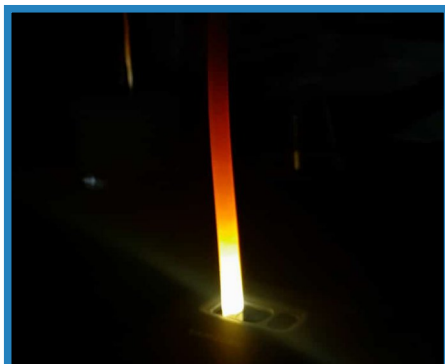
434 Guadalajara, Mexico October 4th-5th, 2024

Completed on October 5th, 2024 in cooperation with Institute of Astronomy and Meteorology, University of Guadalajara



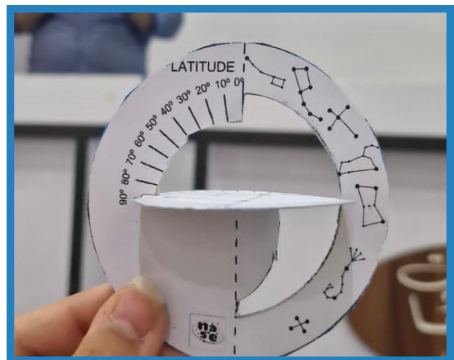
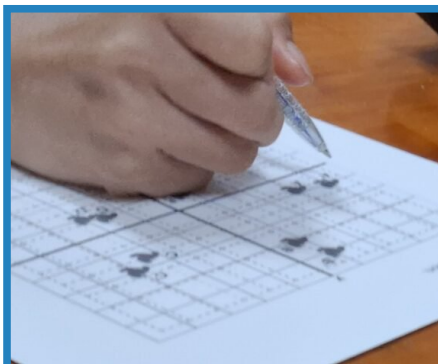
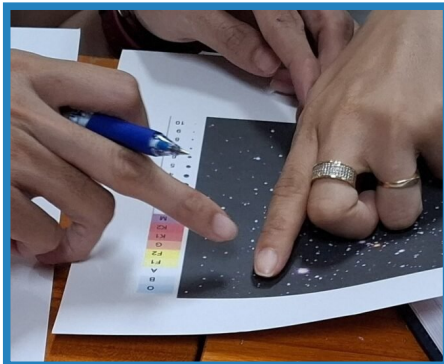
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WORKSHOPS PHOTO COLLAGE



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