

12th Asian Physics Olympiad, 1-9 May, 2011, Tel-Aviv, Israel

Physics



What's on your mind?

News Feed

our painful experience with dead sea salt ▶ Tamar Amir



Heading south, we began our adventure-packed day at Beit Gubrin, and toured its cool clay caves, dug out beneath one meter's width of limestone ground. Continuing our trip in the Judean desert, the landscape gradually changed, adopting richer shades of beige and dirt, the trees and greenery quickly receding. Our next stop was at Kfar Ha Nokdim, where we stretched our legs over camel-back and had a turn bumpily riding over the massive spitting mammals. An anthropology lesson on Bedouin life had us sipping coffee and tea, bopping our heads to musical coffee grinding. After lunch, we marched (and nearly melted) to the top of Masada. Our fabulous and theatrical tour guides gave us a breath taking review of the history filled site. Soon afterwards we wired on down the old fortress to ground level in a cable car, the stunning view from atop still spinning in our minds. A swift bus ride brought us to the Dead Sea's Mineral beach, where we were bathed in rich salt oils (and almost got blinded by its sting factor—ouch!) and lathered in black mud. Our pampering afternoon was followed by yet another cross-legged

meal and a lingering sense of 'ahava' for everything we'd dipped into.



People You May Know

See all

Where do you see yourself in 10 years, in relation to Physics?



Warit Asavanant ▶ Thailand

I'm still not sure how, but I definitely want to be involved in Physics—I love it! I prefer theoretical Physics, since I'm not that good with experiments. But I will do well, I hope, in the Olympiad's lab exam!

about an hour ago • Like



Like: 126



Kim Cheong Wong; Gilbert ▶ Hong Kong

This is my interest, but I don't expect my work in the future to be related to Physics...I watch the stars and I love Astronomy, but I will probably study Media, because I like communicating with people.

about an hour ago • Like



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Poornika Manahari Godakumara ▶ Sri Lanka

I think I will be an Engineering student. Physics will come in handy with that. Because I really like Physics, it will be fun...Physics makes my life fun!

about an hour ago • Like



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Yesterday's album

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Bird migration

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Seasonally, 1800 of the 10,000 species of the world's birds take flight from one point of habitat in strive to reach their next station of repose. These large movements are most often in response to changes in their current lifestyle and as a search for food and more suitable weather and breeding circumstances.

While many long-distance migratory birds are genetically programmed to adjust to seasonal time changes by flying far and wide, making necessary and expected detours, and dodging needs-inhibiting barriers (such as, waterless land in the case of seabirds), the short-distance migrators act directly in response to local weather change rather than their innate need to breed. In both cases, migration is incited primarily by hormonal shifts instigated by changes in day length.

The clever navigation that makes migration possible has its base in various factors. For one, the senses are primary in importance when it comes to movement from point A to B. A natural "sun

compass" allows birds to use the sun for direction and to compensate for time changes. Intelligent "magnetoception" makes for navigational tools based on the detection of magnetic fields—innate and experiential electromagnetic detection of this field assure the journey's completion based on built-in compass-like tools, where the path's direction is clear and the journey's end always remains uncertain.

Navigational systems of migrating birds are complex and fragile schemes that can be affected by the outside world over which they flock. Ecological and evolutionary factors, as well as individual orientation failures, can influence a migratory episode and interrupt the annular occurrence.

May 5 at 7:10am [Like](#) • [Comment](#) • [See Freindship](#)

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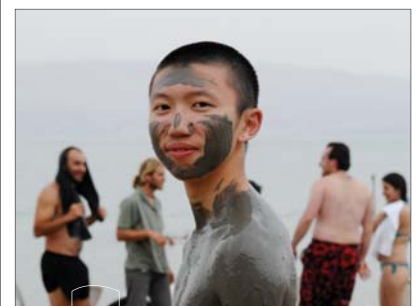
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Wednesday Pictures
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Wednesday Pictures
6 photos



The enthralling city of Caesaria is, today, a modern Israeli town built into one of the country's notably historic and ruin-filled sights. Set by the Mediterranean Sea, "Caesarea Martima" was named after generous Emperor Caesar Augustus by Herod the Great, who received it with honor during the first century BC. Herod built his kingdom over the small harbor that had originally been known as Strato's Tower, where the significant enlargement of it, and the majestic construction of the city's Amphitheatre and Aqueduct

are only some of the ruins we've thus been left to swoon over today.

Apart from touristic visits of its ancient overland and wonder-worthy remains— countless bath-houses and palaces (including the famous Promontory Palace containing an Olympic-sized fresh-water pool), churches and synagogues, Caesaria's centuries-old ruins can also be viewed from down below via the city's Underwater Museum.

Today, after a lengthy and dramatic process of development, Caesaria is home to over 4500 inhabitants living in residential clusters considered amongst the most upscale in Israel. The city remains the only locality run by a private organization rather than a municipal government, "whose goal is to establish a unique community that combines quality of life and safeguarding the environment with advanced industry and tourism.

Today's Program

May 5, Thursday [Like](#) • [Comment](#) • [See Freindship](#)

Students

- 07:15-07:50 Transportation to [Tel Aviv University](#)
- 08:00-08:15 Division into testing centers & explanation of exam
- 08:20-10:50 Practical exam
- 10:50-11:20 Break at the [swimming pool area of the University](#)
- 11:20-13:50 Continuation of practical exam
- 13:50-15:00 Lunch at the [pool area of the University](#)
- 15:00-16:00 Travel to Caesarea
- 16:00-17:30 Guided tour of [Caesarea ancient sites](#)
- 17:30-19:00 Athletic social activity [on the Beach](#)
- 19:30-20:30 Dinner "[Beach Bar](#)" Restaurant Caesarea harbor
- 20:30-21:30 Travel to [Ramat Gan](#)
- 21:30-22:00 Summation of day
 - *Returning of mobile phones and laptop computers
- 23:00 Lights out

Leaders, Observers and Visitors

- 07:00-08:00 Handing over the theory exam marks
- 08:00-09:15 Travel to [Qumran](#)
- 09:15-10:30 Guided tour of [Qumran Caves](#)
- 10:30-11:15 Travel to [Mineral Beach, Dead Sea](#)
- 11:15-13:00 Bathing at the [Mineral Beach, Dead Sea](#)
- 13:00-13:20 Travel to "[Ein Gedi](#)" Kibbutz
- 13:30-14:15 Lunch at Kibbutz "[Ein Gedi](#)" Guesthouse
- 14:15-15:00 Guided tour Kibbutz "[Ein Gedi](#)"
- 15:00-15:15 Travel to "[Massada](#)"
- 15:15-17:00 Guided tour of "[Massada](#)"
- 17:00-17:20 Refreshments break
- 17:20-17:50 Travel to "[Kfar HaNokdim](#)"
- 18:00-19:30 Authentic Bedouin Hospitality "[Kfar Hanokdim](#)"
- 19:30-20:45 Travel to Tel Aviv
- 22:00 Handing over the students testbooks

Joke of the day

May 5, Thursday [Like](#) • [Comment](#) • [See Freindship](#)

I asked Bill Gates how much money he is making. He replied, "Now? Or, NOW?"

Featured



Today's Weather

Partly Cloudy

Max. Day Temperature 29°C

Min. Night Temperature 19°C

UV Index 10 Very High