

Let's take part in 2 Global Initiatives: "Globe at Night" & "Earth Hour"

Take part in Globe at Night.

Introduction

Globe at Night is a world-wide science campaign to observe and record the magnitude of visible stars as a means of measuring light pollution in a given location.

Step 1 – Find the longitude and latitude of the site of your observation.

Use www.streetmaps.co.za to find your address or exact location or Google Earth or www.itouchmap.com/latlong.html or your GPS if you happen to have one.

Step 2 – Find Orion (a prominent constellation) in the northwestern sky by going outside an hour after sunset, about 20:30 – 22:00 local time, on any day from 21 February to 6 March 2011.

Allow your eyes to get used to the dark for about 20 minutes before you make your observation.

Compare what (how many stars of Orion and his surrounds) you see to the different charts given on the reverse side of this page.

To preserve your night vision use a red light while writing down your observation. (You can make a cheap red light by covering a flashlight with a brown paper bag or red cellophane; secure the bag with a rubber band.)

Step 3 – Record your observation

Decide which of the magnitude charts on the pack of this page is closest to your observation. Mark it clearly and complete all the other information asked for.

Step 4 – Report your observation at <http://edcommunity.esri.com/gan/2010/report.cfm>

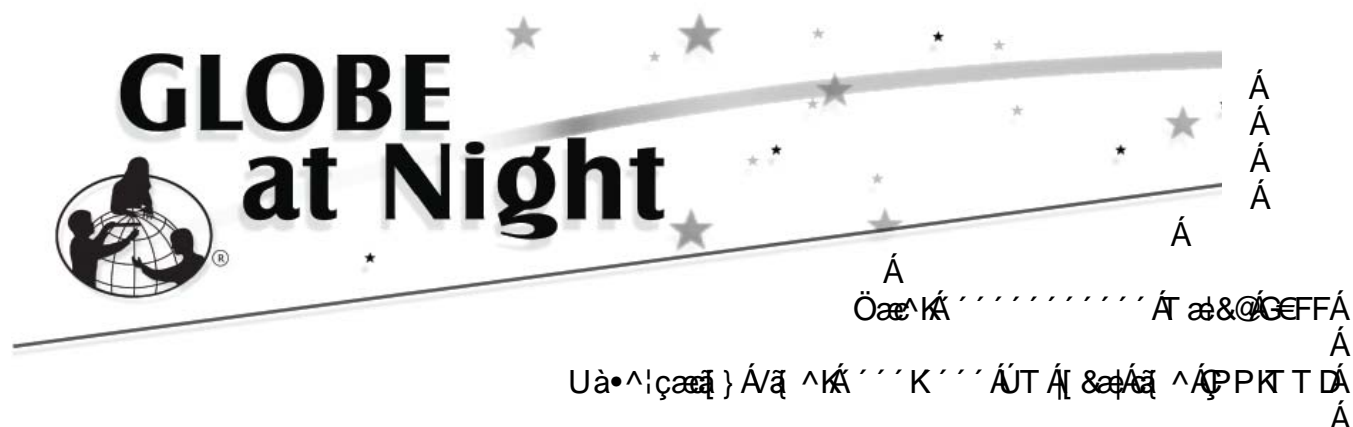
Or bring this sheet with you on 5 March so that you can do it at Sci-Enza.

Take part in Earth hour

Switch off your light for 1 hour on Saturday 26 March from 20:30 till 21:30.

If you can, take a photo (cityscape or landscape) of the area at about 20:15 and then again at 20:45 and a last one at 21:30. Bring these photos along to the project week of 28 - 31 March 2011.

GLOBE at Night



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Match your nighttime sky to one of our magnitude charts :

