

M51	0	The Whirlpool Galaxy is in fact a couple of galaxies. A really beautiful object for astrophotography. With a telescope is appears as two faint spots, being the cores of the galaxies.
M101	0	The Pinwheel Galaxy is a wonderful subject for astrophotography. Very contrasted bluish spiral arms. A yellow bright core.
NGC869		The Double Cluster NGC 869 and 884 belongs to the favorites of amateur astronomers. Easy to locate from Cassiopeia.
M1	<b></b>	A supernova remnant, observed in 1054 by Chinese, Arab and Japanese astronomers. A hazy patch of nebulosity near the star $\zeta$ -Tauri.
M43		The companion of the Orion Nebula. Best observed with small telescopes. Appears as a nebulosity surrounding 5 stars.
M47		Beautiful open cluster in Puppis. Very bright and rich field. A medium-sized fuzzy patch. Near Sirius.
NGC752		Large number of bright stars over one degree. Large and dense cluster. Close to Almach in Andromeda.
M34		An open cluster with many faint stars. Contains about 100 stars. Use Algol as a reference in the PathFinder.
M35		Faint but easy object for binoculars. Composed of approximately 40 stars. Large and scattered.
M36		An open cluster, less impressive than M37, one of the three Messier clusters in Auriga.
M37		An open cluster best observed with a telescope. A medium-brightness fuzzy patch with a brighter center.
M38		M38 is easy to find by star hopping from Elnath. Intermediate between M36 and M37 in terms of the number of stars.
M40	*	Winnecke 4 is a faint double star in Ursa Major. Both stars are slightly red. Just above Megrez, easy to locate.
M41		An open cluster just below Sirius. A beautiful cluster composed of bright stars. It appears as a small area overflowing with faint stars





# **Starmap**



The map shows what you see looking at the zenith. The apparent inversion of East and West compared to road maps is normal. Hold the map face down above your head, and the cardinal points will be oriented as usual.

As a starting point, face North, holding the map in your eyesight direction, with its North down. As you change the direction, rotate the map accordingly.

The objects listed on the first page can be observed with naked eyes, in clear skies, with moderate light pollution. Close your eyes one minute and let them adapt to darkness. You will be surprised how many more details will be apparent.

Using binoculars, preferably with a tripod, will considerably enhance your star gazing experience. Many deep sky objects like galaxies and clusters will be within reach. Jupiter satellites and Saturn's rings will also be visible. A spectacular experience for beginners in astronomy...

## FOR LARGER TELESCOPES [1]

M63	0	The Sunflower Galaxy is a spiral galaxy with large contrast. A very good candidate for astrophotography.
M64	0	The Black Eye Galaxy is another beautiful object best seen with astrophotography. Beautiful contrast between the surrounding dust and its bright core.
M88	0	A faint spiral galaxy in the Virgo Cluster. Nice bluish color with a bright yellow core.
NGC2244		The open cluster located in the Rosette Nebula.
NGC2237		The Rosette Nebula is a very good candidate for large field astrophotography. Bluish center surrounded by red clouds.
NGC2261	0	The Hubble's Variable Nebula is a reflection nebula illuminated by R Monocerotis. A small comet-shaped fuzzy patch.
IC405		The Flaming Star Nebula is a wonderful object in Auriga. Appears as a haze in the eyepiece. Will need a long exposure.
M52		A small open cluster near Caph, in Cassiopeia. Difficult object, rather small and faint with a round shape.
M65	0	A spiral galaxy though the spiral structure is best seen with astrophotography. Challenging for binoculars, but easy for a telescope. Star hopping from Leo.
M66	0	A quite bright galaxy in Leo. Clear spiral arms. Reserved for telescopes under dark skies.

Easy to locate from  $\theta$ -Leo.