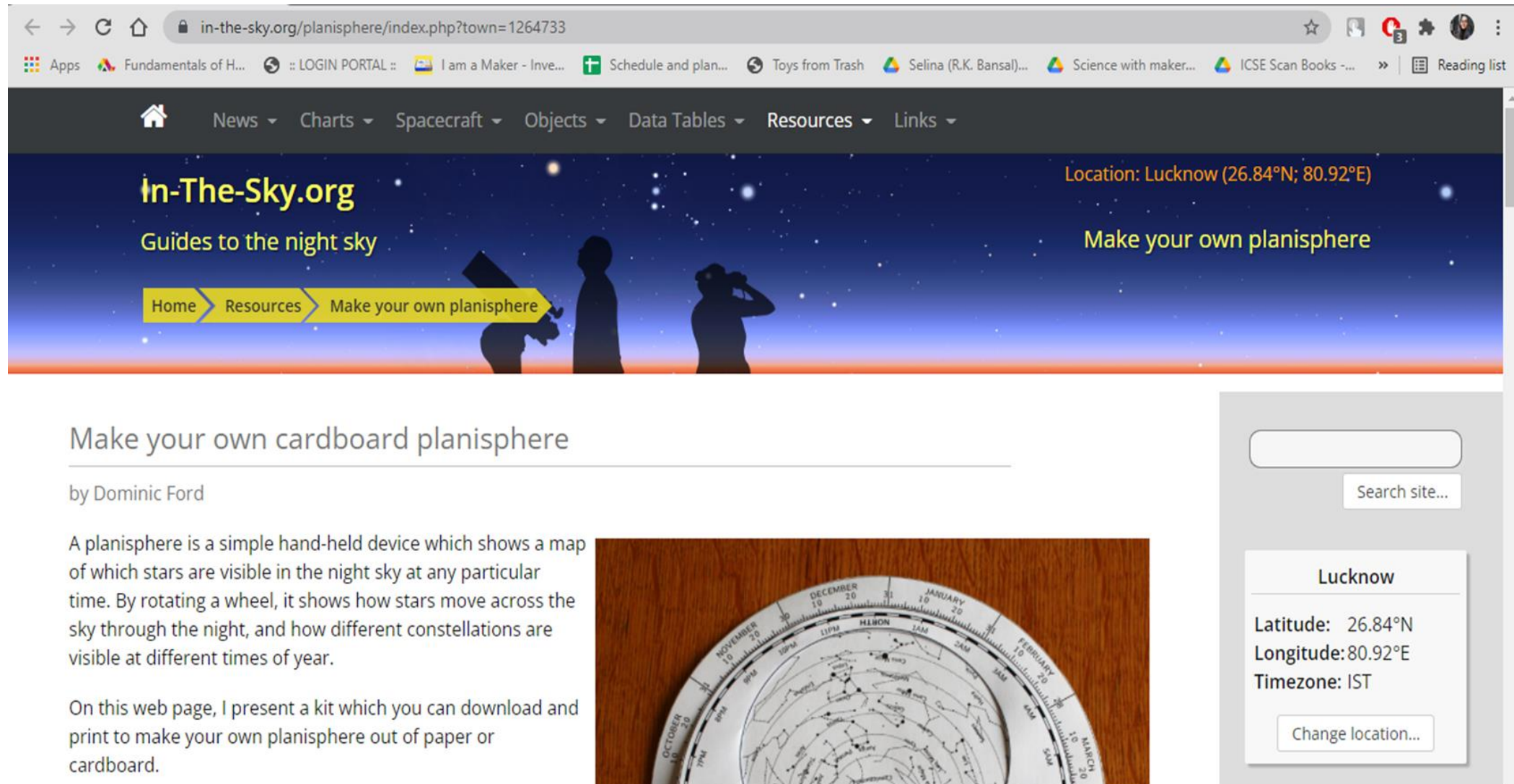


Printing of Customised Planisphere

(According to your location/latitude)

- Go to the website provided below:

<https://in-the-sky.org/planisphere/index.php?town=1277333>



The screenshot shows a web browser displaying the In-The-Sky.org website. The address bar shows the URL `in-the-sky.org/planisphere/index.php?town=1264733`. The website header includes navigation links: Home, News, Charts, Spacecraft, Objects, Data Tables, Resources, and Links. The main banner features the site logo, the text "Guides to the night sky", and a location selector set to "Lucknow (26.84°N; 80.92°E)". A yellow breadcrumb trail reads "Home > Resources > Make your own planisphere". Below the banner, the article title "Make your own cardboard planisphere" is displayed, followed by the author "by Dominic Ford". The article text describes a hand-held device for viewing the night sky. To the right, a search bar and a location dropdown menu are visible, showing "Lucknow" with its coordinates and a "Change location..." button. At the bottom, a partial image of a cardboard planisphere is shown.

Location: Lucknow (26.84°N; 80.92°E)

Make your own planisphere

Home > Resources > Make your own planisphere

Make your own cardboard planisphere

by Dominic Ford

A planisphere is a simple hand-held device which shows a map of which stars are visible in the night sky at any particular time. By rotating a wheel, it shows how stars move across the sky through the night, and how different constellations are visible at different times of year.

On this web page, I present a kit which you can download and print to make your own planisphere out of paper or cardboard.

Search site...

Lucknow

Latitude: 26.84°N
Longitude: 80.92°E
Timezone: IST

Change location...

Set your location by going to “Set your location”

The screenshot shows a web browser window with the URL `in-the-sky.org/planisphere/index.php?town=1264733`. The page title is "Make your own cardboard planisphere" by Dominic Ford. The text explains that a planisphere is a hand-held device showing a map of stars visible in the night sky at any particular time. It also mentions that the user can download and print a kit to make their own planisphere out of paper or cardboard.

The page features a large image of a planisphere, which is a circular chart of the stars in the sky, used to determine which stars are visible at any particular time. The planisphere is shown with a wooden base and a white paper cover. The cover has the word "PLANISPHERE" printed on it, along with numbers 1, 2, and 3. The planisphere itself is a circular chart with concentric circles representing different months and times of day. The outer ring shows months from September to August, and the inner rings show times of day from 6 PM to 6 AM. The center of the chart is labeled "SOUTH".

On the right side of the page, there is a settings panel. At the top of this panel is a search bar labeled "Search site...". Below the search bar, the current location is set to "Lucknow". The location details are displayed as follows:

- Latitude: 26.84°N
- Longitude: 80.92°E
- Timezone: IST

Below the location details, there is a button labeled "Change location...". A red arrow points to this button. Underneath the location settings, there is a "Color scheme" section with two options: "Light" (selected) and "Night mode". At the bottom of the settings panel is an "Update" button.

Enter your location as shown

in-the-sky.org/location.php?

Apps Fundamentals of H... LOGIN PORTAL :: I am a Maker - Inve... Schedule and plan... Toys from Trash Selina (R.K. Bansal)... Science with maker... ICSE Scan Books -... Reading list

News Charts Spacecraft Objects Data Tables Resources Links

Select your observing location...

In-The-Sky.org needs to know where you live to work out what you can see in the night sky. You can specify your location in one of several ways:

- Use location reported by my web browser...
- Guess my location by network address...
- Enter the name of a town near to you.
- Manually select your country, and then your town within that country.

Choose a town

This is the simplest way to specify your location. Begin typing the name of a town near to you, and then select the town from the list of options which appear below.

If you cannot find your exact location, it makes minimal difference to choose another town within 50 miles of your home.

Bengaluru

Bengaluru, Karnataka, Bangalore Urban, India

Search site...

Lucknow

Latitude: 26.84°N
Longitude: 80.92°E
Timezone: IST

Color scheme

Light
 Night mode

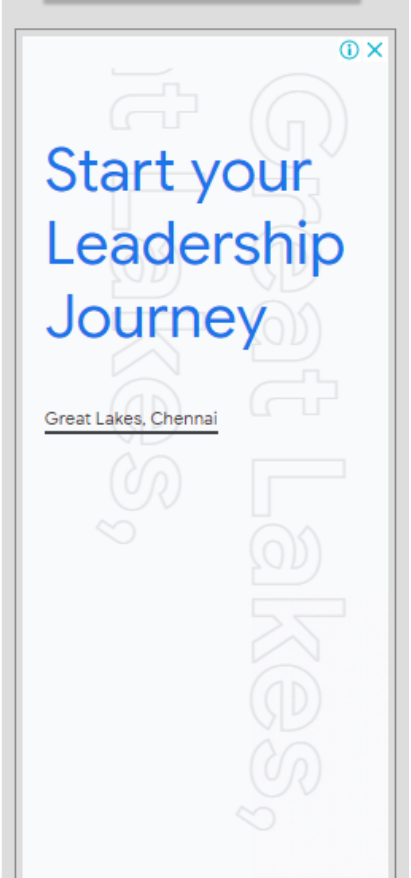
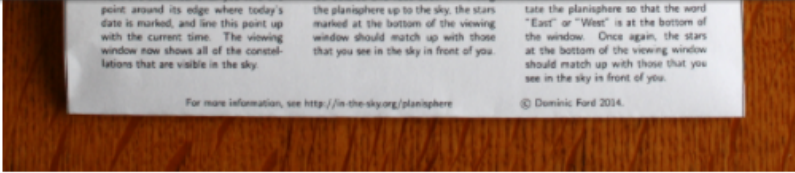
Scroll down to find your Planisphere parts: Planisphere outer, Star wheel and Viewing window

range of latitudes, and you should use the form below to download the kit that most closely matches where you live.

Select latitude: 15°N | Select language: English

Part	Download links
Complete kit, with instructions	PDF
Planisphere outer	PDF SVG PNG
Star wheel	PDF SVG PNG
Viewing window (optional)	PDF SVG PNG

This planisphere kit was designed using a collection of Python scripts and the pycairo graphics library. If you would like to customise your planisphere, you are welcome to download the scripts from my GitHub account and modify them, providing you credit the source: <https://github.com/dcf21/planisphere>




Click on “PDF” icon in front of each part and then go to the print option

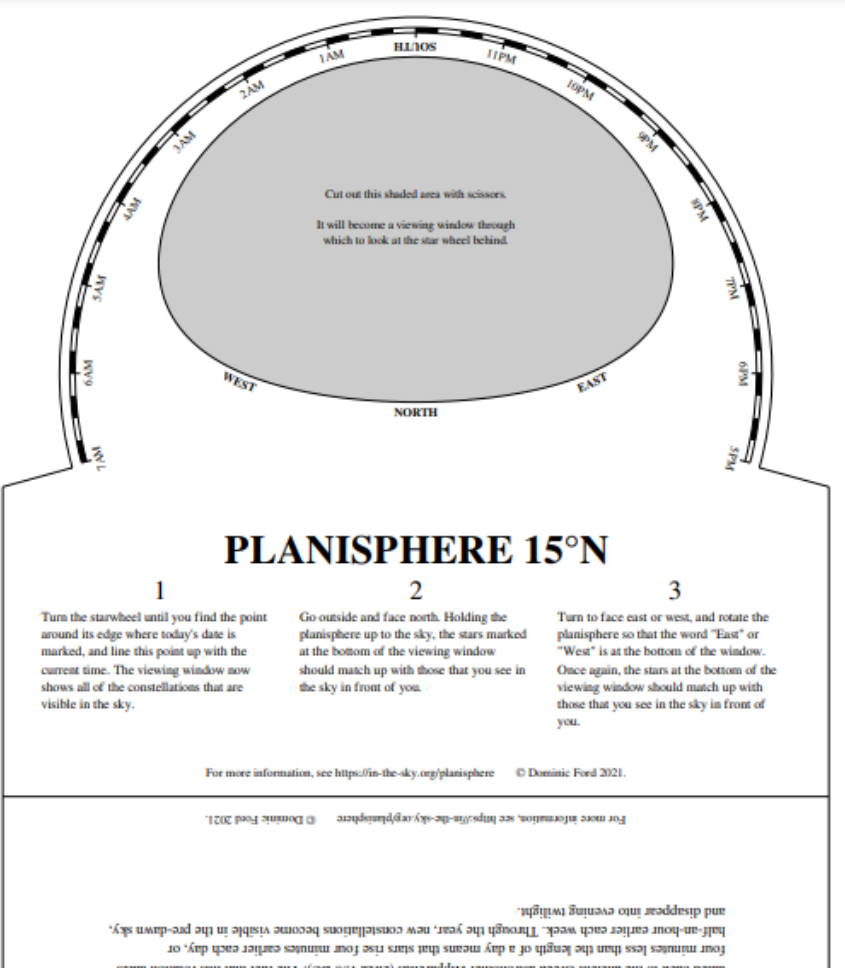
holder_15N_en.pdf

1 / 1 | - 80% + | [Download] [Refresh]

[Print] [Share]



1



PLANISPHERE 15°N

Cut out this shaded area with scissors.
It will become a viewing window through which to look at the star wheel behind.

PLANISPHERE 15°N

1 Turn the starwheel until you find the point around its edge where today's date is marked, and line this point up with the current time. The viewing window now shows all of the constellations that are visible in the sky.

2 Go outside and face north. Holding the planisphere up to the sky, the stars marked at the bottom of the viewing window should match up with those that you see in the sky in front of you.

3 Turn to face east or west, and rotate the planisphere so that the word "East" or "West" is at the bottom of the window. Once again, the stars at the bottom of the viewing window should match up with those that you see in the sky in front of you.

For more information, see <https://in-the-sky.org/planisphere> © Dominic Ford 2021.

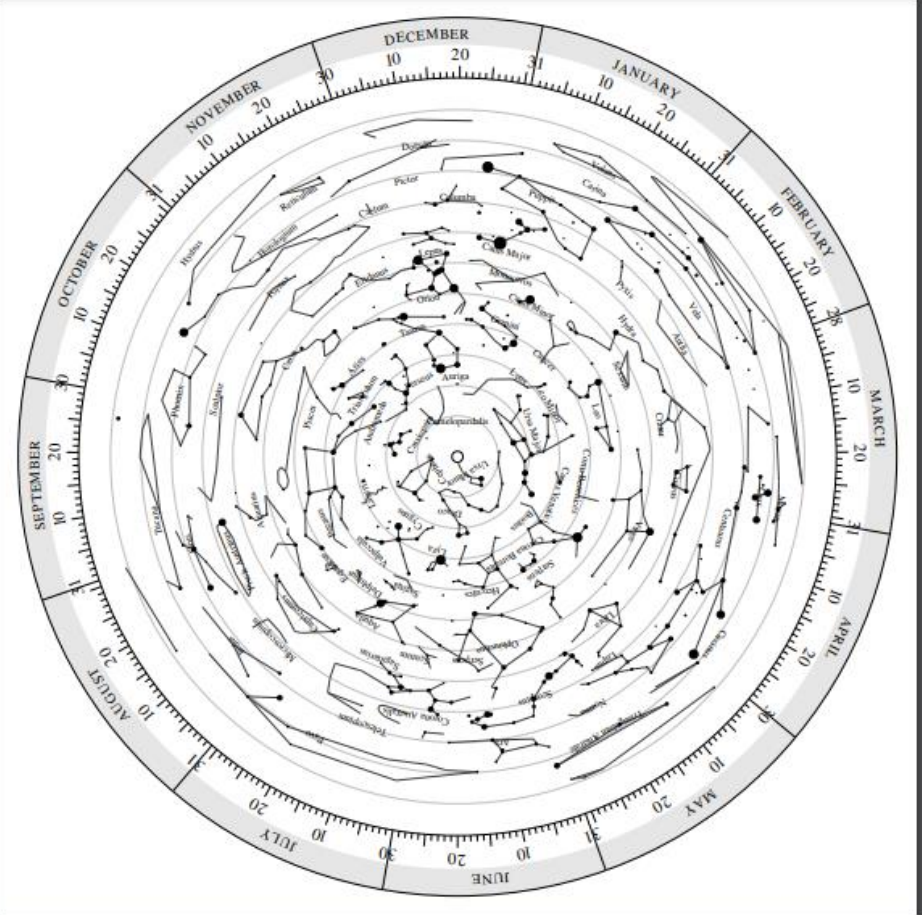
For more information, see <https://in-the-sky.org/planisphere> © Dominic Ford 2021.

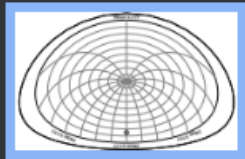
four minutes less than the length of a day means that stars rise four minutes earlier each day, or half-an-hour earlier each week. Through the year, new constellations become visible in the pre-dawn sky, and disappear into evening twilight.

dated back to the ancient Greek astronomer Hipparchus (circa 150 BC). The fact that this rotation takes



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