

Canon Science Papercraft Mini-book

Natural Science Series Rotating Star Chart

You can use this handy rotating star chart to help locate constellations when looking at the night sky.

Turning the inner disk lets you know when what constellation will appear, and where. Let's do some stargazing!

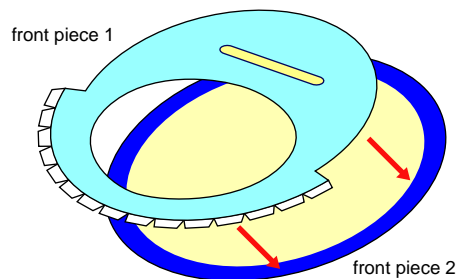


*Cut out the card above and save it. You can collect the cards from each of the Papercraft projects to make your own mini-book!

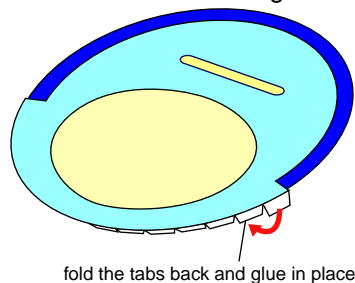
★ Directions

Print out pages 1 through 5 and cut out each individual part along their cut lines.

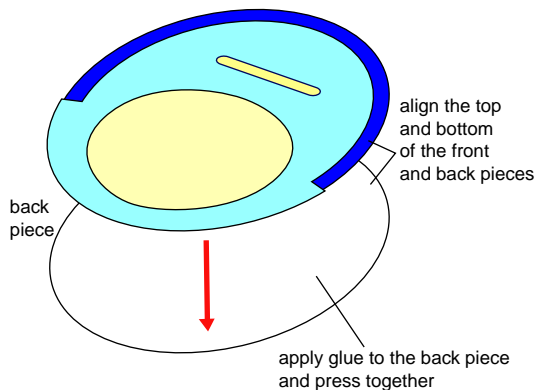
1. Align front pieces 1 and 2



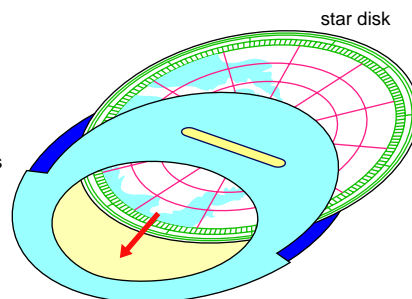
2. Fold over the tabs and glue in place



3. Attach back piece

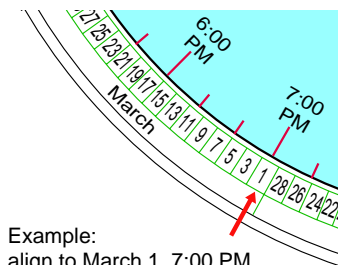


4. Insert the star disk



* How to use your rotating star chart

(1) Turn the star disk to the current date and time, as shown at right.



Example:
align to March 1, 7:00 PM

(2) Let's say you want to observe the stars in the east. Hold the star chart so that the "East" marking is facing you, as shown in the figure.

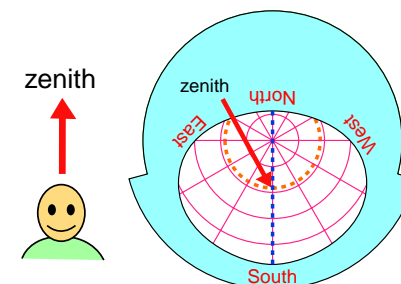
Now you're ready to match the stars you see in the sky with the constellations displayed on your star chart!



* observing the eastern sky

* The Zenith

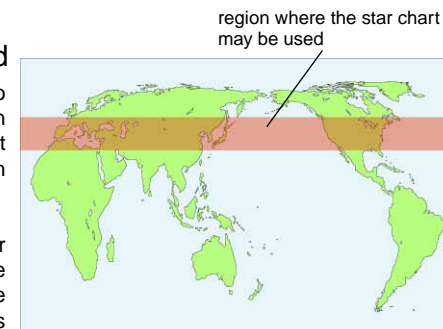
The point in the sky directly above an observer is called the zenith. On your star chart, the zenith is indicated by the point on the orange dotted line that intersects an imaginary line between the "North" and "South" markings.

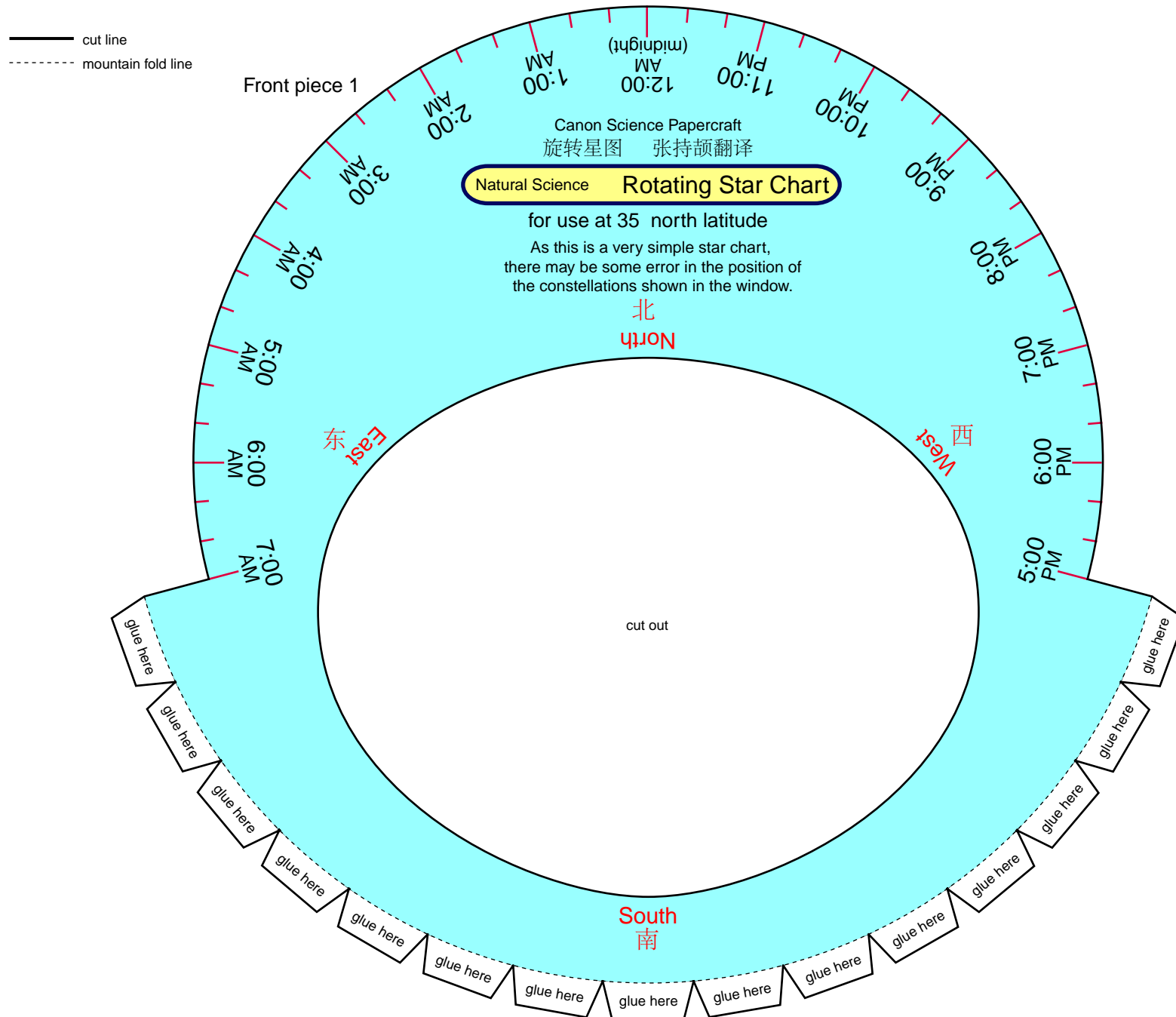


* Region where your star chart may be used

This star chart is designed to be used within the region shown on the map at right (from about 26° to 48° north latitude).

As this is a very simple star chart, there may be some error in the position of the zenith and the constellations shown in the window.





— cut line

Front piece 2

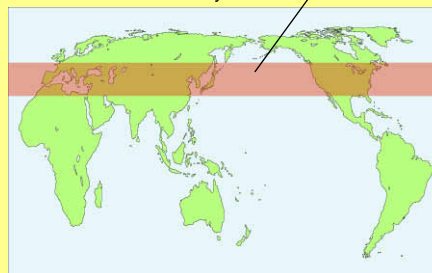
* Region in which this star chart may be used

本旋转星图适用的观察区域

This star chart is designed to be used within the region shown on the map at right (from about 26° to 48° north latitude).

本星图的设计是基于在北纬26度至48度的区域内使用，即右图所示的纬度区域。

region where the star chart may be used



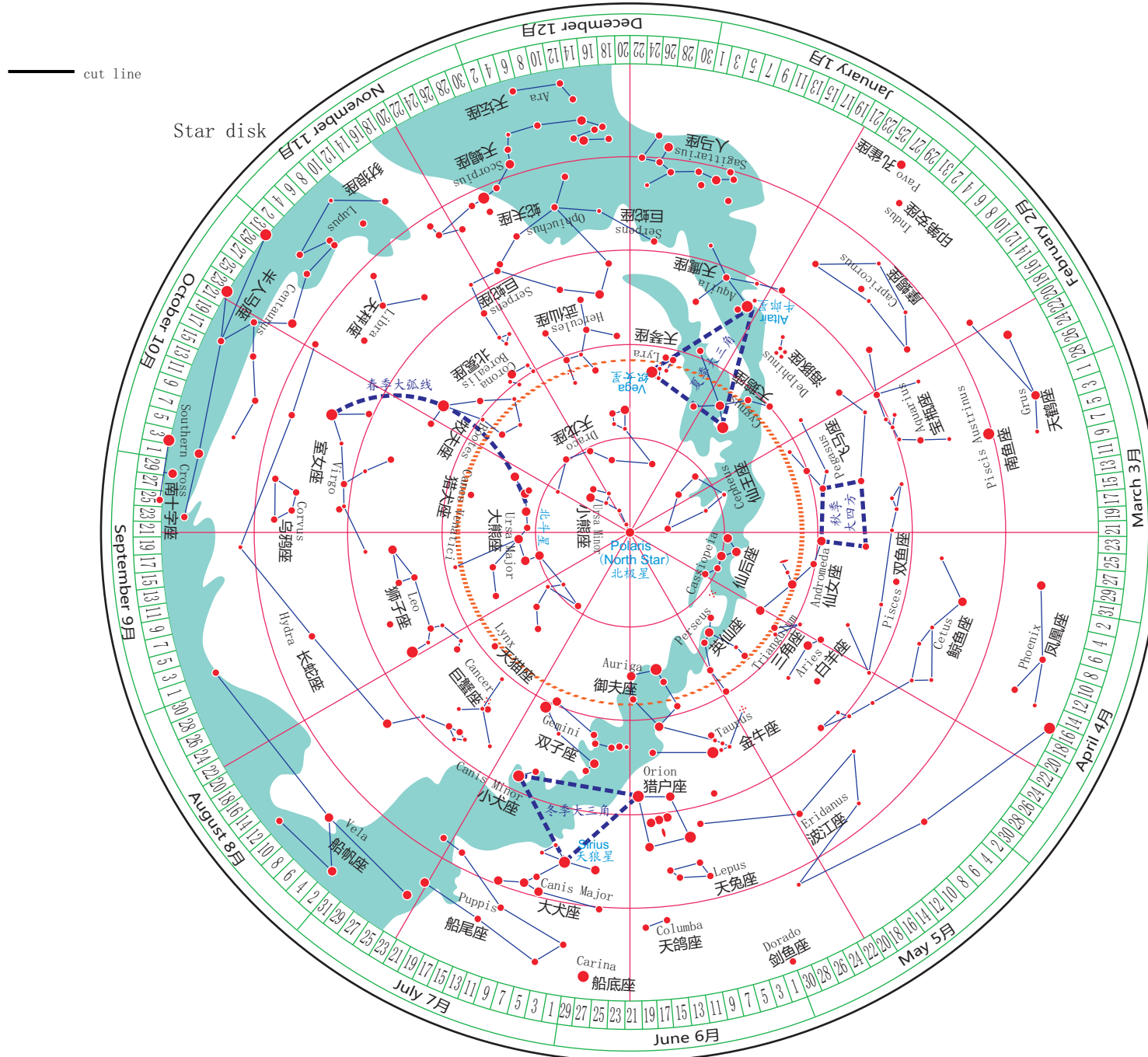
align front piece 1 with this line and glue together

align front piece 1 with this line and glue together

如您发现翻译错误, 敬请指正。

zhangchijie@gmail.com

+



— cut line

Back piece

★ How to use your rotating star chart

旋转星图使用方法

(1) Turn the star disk to the current date and time, as shown at right.

如右图所示, 旋转星座盘到当前的日期和时间。

Example:
align to March 1, 7:00 PM

(2) Let's say you want to observe the stars in the east. Hold the star chart so that the "East" marking is facing you, as shown in the figure. Now you're ready to match the stars you see in the sky with the constellations displayed on your star chart!

假设你要观察东边的星空。手持星图, 并使标记“东”对着你。这样, 你就可以对照星图来观看星座了。



★ The Zenith

天顶位置

The point in the sky directly above an observer is called the zenith. On your star chart, the zenith is indicated by the point on the orange dotted line that intersects an imaginary line between the "North" and "South" markings.

星图中的虚线是观察者正上方的星空位置。

