Canon Science Papercraft Mini-book

Natural Science Series **Rotating Star Chart**

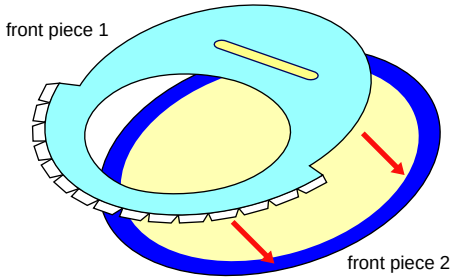
You can use this handy rotating star chart to help locate constellations when looking at the night sky.
Turning the inner disk lets you know when what constellation will appear, and where.
Let's do some stargazing!

*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!

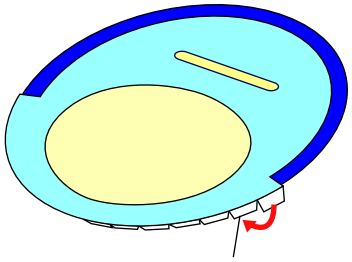
★Directions

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

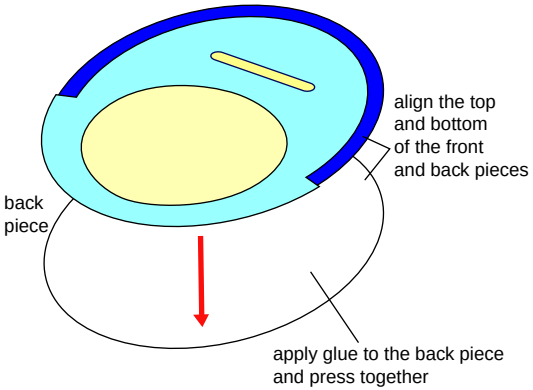
1. Align front pieces 1 and 2



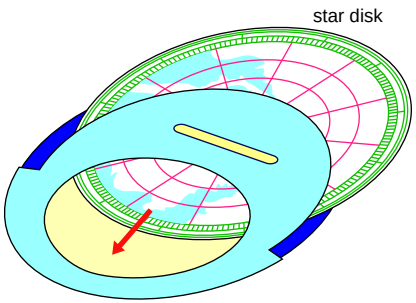
2. Fold over the tabs and glue in place



3. Attach back piece

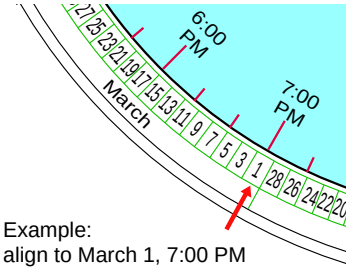


4. Insert the star disk



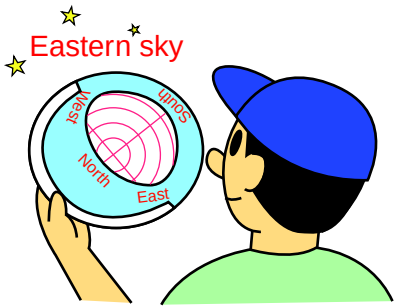
* How to use your rotating star chart

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



Example:
align to March 1, 7:00 PM

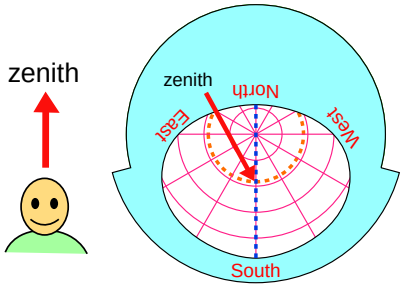
(2) Let's say you want to observe the stars in the east. Hold the star chart so that the "East" marking is facing you, as shown in the figure. Now you're ready to match the stars you see in the sky with the constellations displayed on your star chart!



* observing the eastern sky

* The Zenith

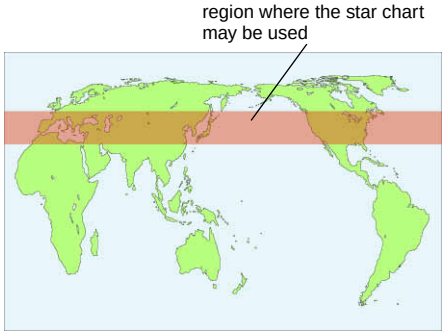
The point in the sky directly above an observer is called the zenith. On your star chart, the zenith is indicated by the point on the orange dotted line that intersects an imaginary line between the "North" and "South" markings.



* Region where your star chart may be used

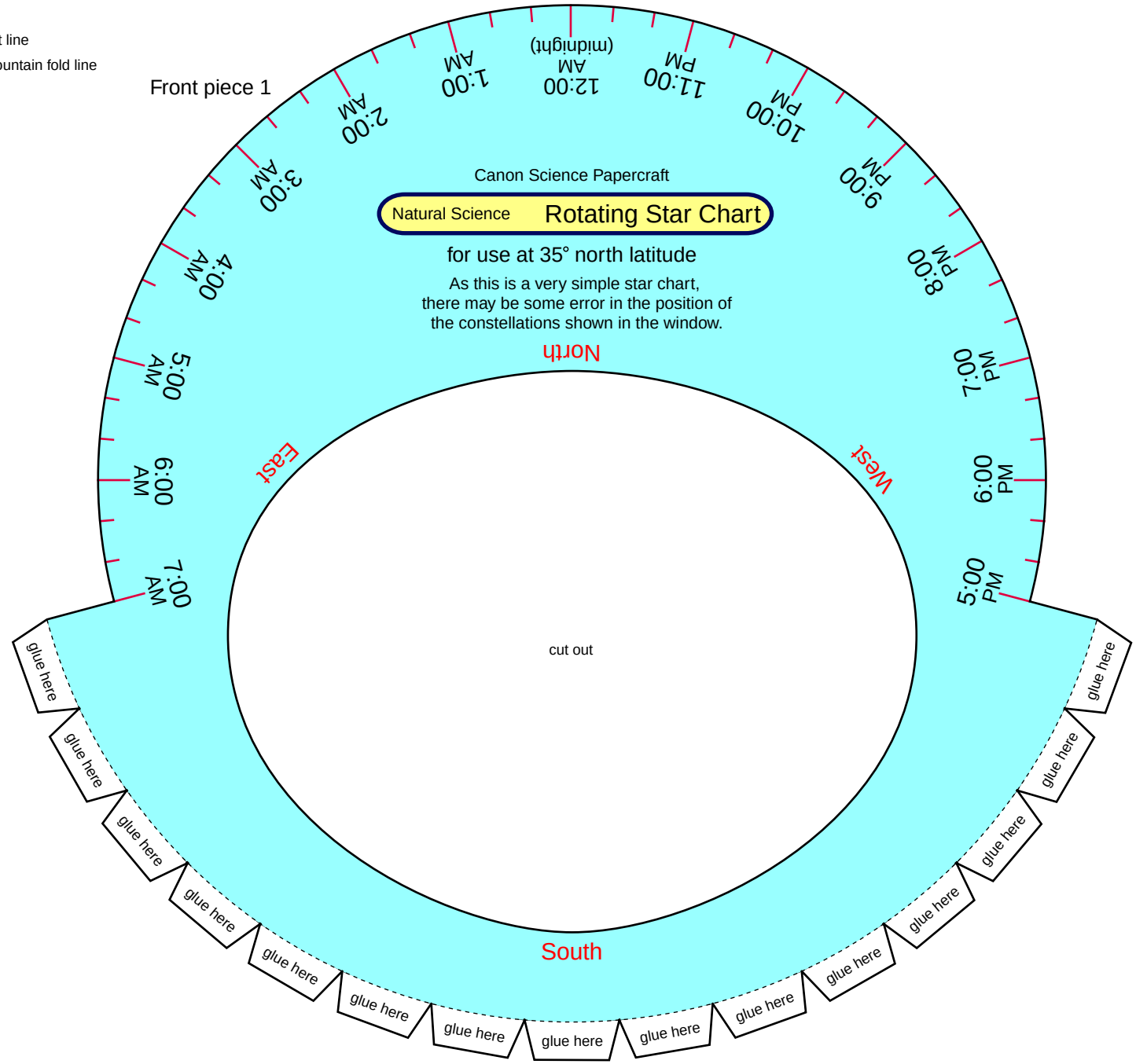
This star chart is designed to be used within the region shown on the map at right (from about 26° to 48° north latitude).

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.



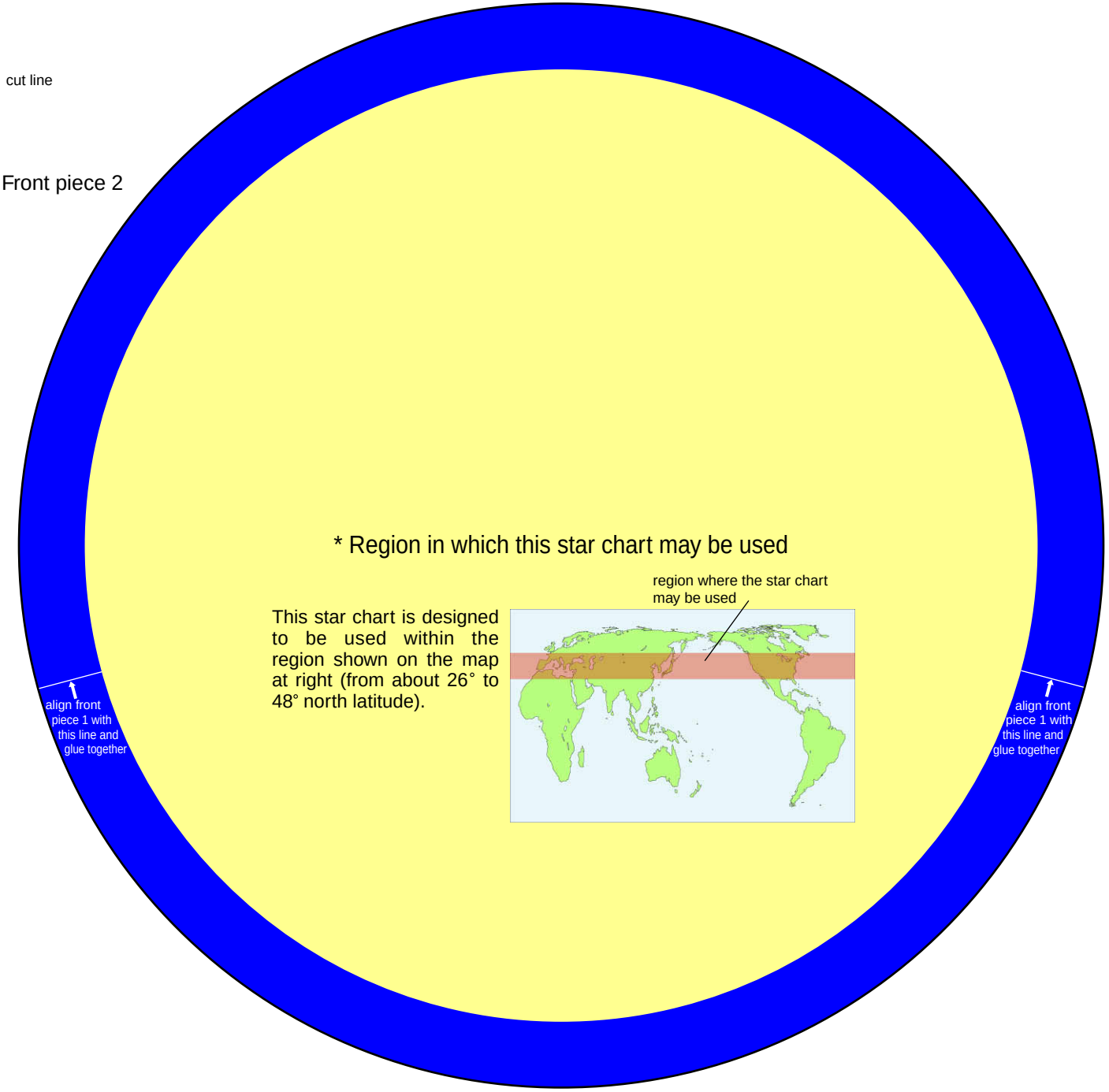
cut line
mountain fold line

Front piece 1



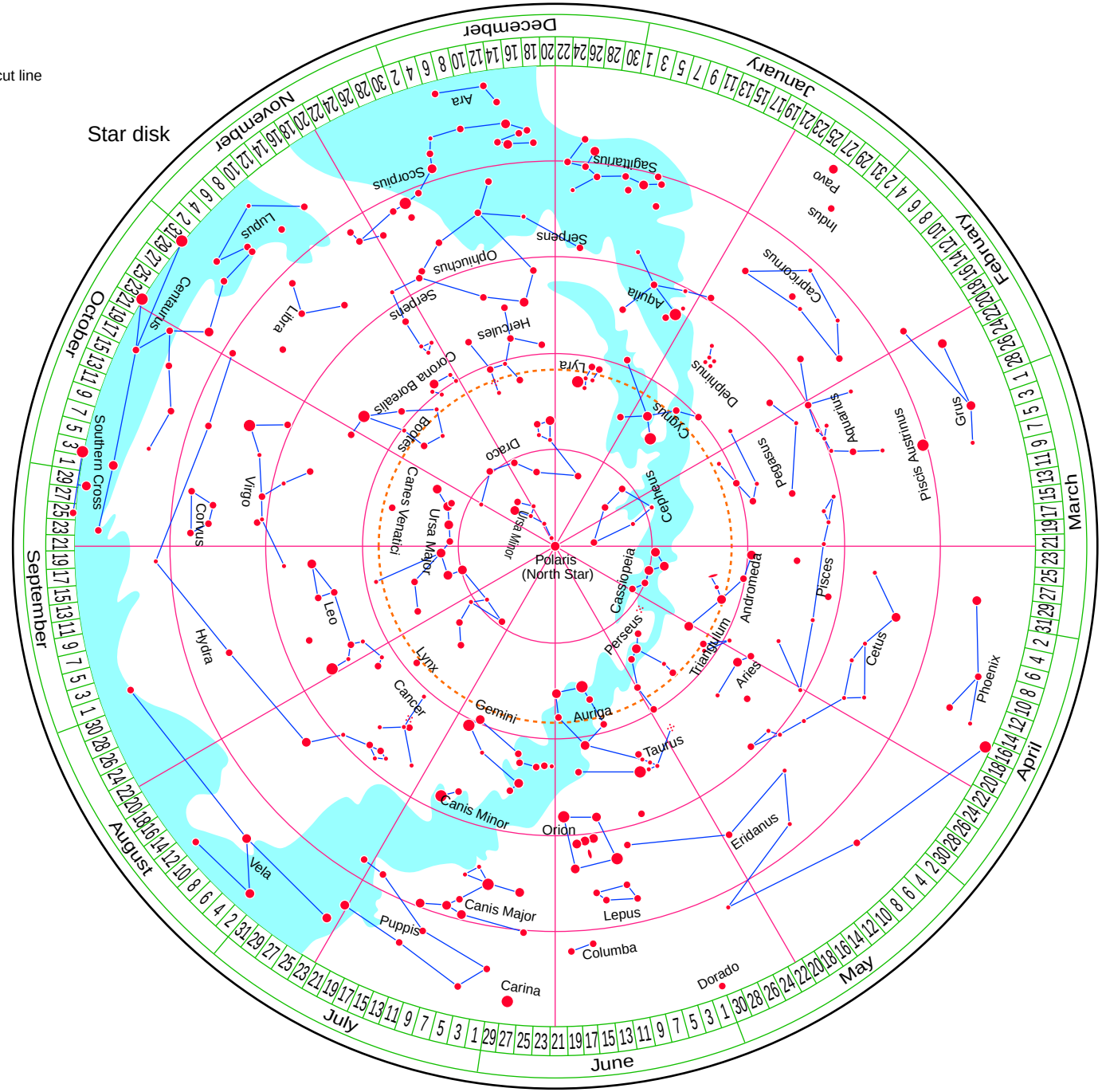
cut line

Front piece 2



cut line

Star disk



cut line

Back piece

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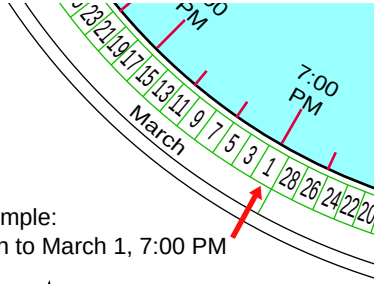

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