

Sunrise and sunset horizon recording chart

Use the below chart to record the changing location of sunrise and sunset throughout the year. You may be surprised how much the location changes throughout the year.

Sunrise



Sunset



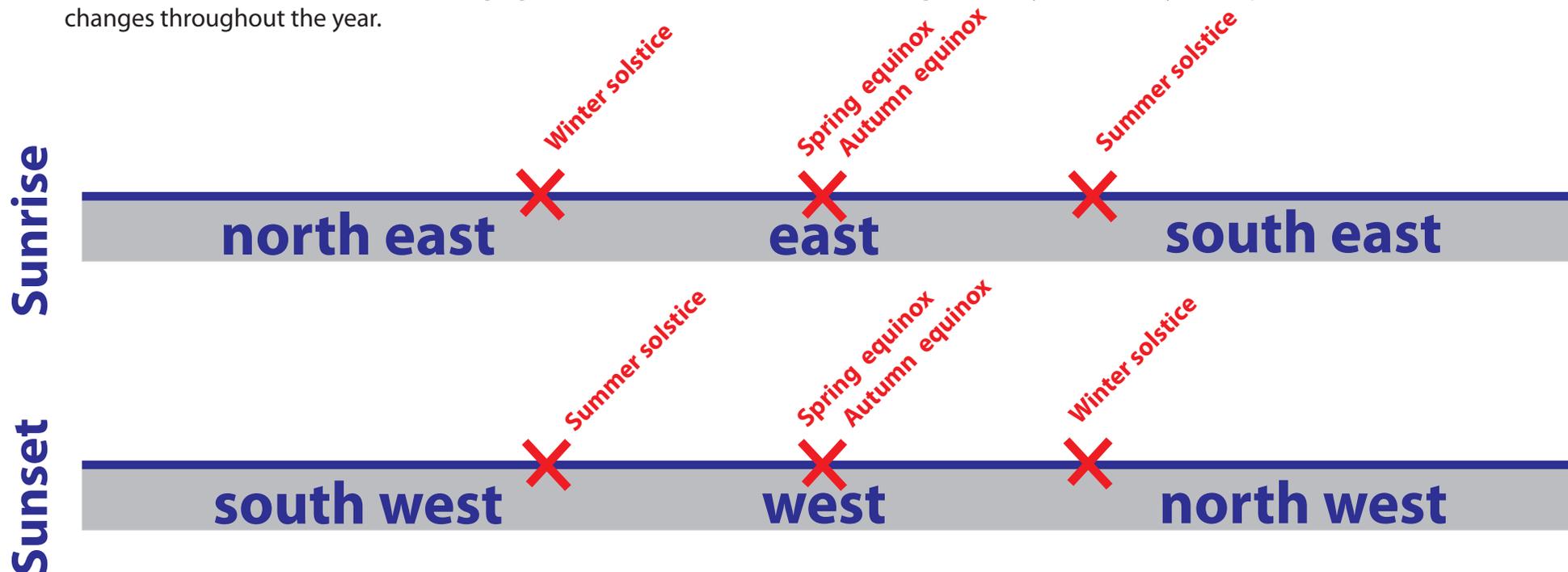
Instructions: Mark the position of sunset and sunrise with a cross on the appropriate line at different times throughout the year. Remember to record the date and time next to each cross. The changes in location will be most marked if you observe on the solstices and equinoxes. Sunrise and sunset times for East Coast (Australia) cities can be found here http://nightskyonline.info/?page_id=18828. For locations not listed use the Geoscience Australia website resources at <http://www.ga.gov.au/geodesy/astro/sunrise.jsp>

Example location: *Gold Coast, Queensland, Australia sunrise and sunset times*

<i>Equinox</i> 20 March 2016	Sunrise: 5.49 am AEST	Sunset: 5.57 pm AEST
<i>Solstice</i> 21 June 2016	Sunrise: 6.37 am AEST	Sunset: 4.58 pm AEST
<i>Equinox</i> 22 September 2016	Sunrise: 5.35 am AEST	Sunset: 5.42 pm AEST
<i>Solstice</i> 21 December 2016	Sunrise: 4.46 am AEST	Sunset: 6.42 pm AEST

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Teacher answer sheet for Gold Coast, Australia

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Equinox 20 March 2016

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Solstice 21 June 2016

Sunrise: 6.37 am AEST

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Equinox 22 September 2016

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