

## Geological time-line knitting pattern

Knit your own time-line! The scarf has proved very effective in illustrating the age of the earth and the rate at which life developed on the planet, particularly for non-geological audiences.

As long as the length of each section is accurate so that the scarf is 4.6m long, you can vary the colours, width and type of stitch as you wish.



Eon or Period	Dates million years	Time interval million years	Length in cm	Significant events	Suggested colours
Quaternary	2 - 0	2	0.2	Glaciation	white
Cenozoic	65 - 2	63	6.3	Alpine mountain building	beige
Cretaceous	145 - 65	80	8	Chalk	pale green
Jurassic	200 - 145	55	5.5	Limestones/ clays	yellow
Triassic	250 - 200	50	5	Deserts	orange
Permian	300 - 250	50	5	Deserts	bright red
Carboniferous	360 - 300	60	6	Coal with glacial period at the end	thin white stripe black
Devonian	420 - 360	60	6	Deserts	dull red
Silurian	440 - 420	20	2	Marine	lilac/mauve
Ordovician	490 - 440	50	5	Caledonian mountain building	mid blue
Cambrian	540 - 490	50	5	First life with hard parts	dark green
Ediacaran	630 - 540	90	9	First complex life	grey/brown
Cryogenian	850 - 630	220	22	Various glacials	grey/brown with three large white stripes
Proterozoic	2500 - 850	1650	165	Start of oxygenated atmosphere. Glacial event at beginning	yellow/beige/brown thin white stripe
Archean	4000 - 2500	1500	150	Blue-green algae - first crustal rocks	blue/green
Hadean	4600 - 4000	600	60	Molten ball, cooler after 4200	yellow/orange/red
TOTALS		4600	460		

Geological data is taken from Ogg, J.G., Ogg, G. and Gradstein, F.M 2008 *The Concise Geologic Time Scale*. Figures are rounded for convenience. Scale is 1cm for each 10 million years.

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