arange or an appie: luny sutit the purpose just as woll or lettter ; put $n$ pin or tack in it on one sille, or the broken end of - match anill let that tre you, and one nt the opporius side will be your antiprale, anl as to why yon dont fall off, msimiate your weight and tembency bowads tho earth to an attrisetion which it is, the attruction of a mugnet being a gorst simile -and why the fly fulls not froms the ceiling, nut how the boy liften atone, his icather suckur as it is called when siack to the stone and then an uttempt mule to pull it off, its string at centre, as the tly's leg at the centre of his chastic fort, cousing it, when pollel on to rise at centre and thus leave a vachuni ngainst which the pressine of the atmosphere rencts tol hold the lly in pluce, anl 1 so solidly the stume that the boy con left it mothoring to his dine of lenther.

Agnin, to exernplify day and night, thrust a budkin through your nipple or your orange, or a kuitting needle, ora pen handle, allowing it to protrule a little at the encle; and on your table have a hamp or light of some kind, and let a curner of the coiling le the pule of the heavens or the pole star; and bold your tiny sphere in a way that its a:is (the pen handle) point towards the star, and incline it in a way that the light do strike it at the eqnator or thereabonts, or half way between the poles; anl then revolve it in your fingers, and you thas show the lighted anl unlighted or the lit and unlit sides of your tiny earth, un : the succession of day and $n$; it in any latitude or at finy distance from the equator-days and nights equal whell the sum is directly over the equator or its rays to earth at right ang es to the axis. And now move around the light or sun as the earth loes in ita annual revolution about the :- $n$, and so you get the seasons and in one position the day louger than the night, and in the other the night longer than the day.

Aud for the pliases of the moon, let another pupil armed with another and smaller orange or apple, stand opposite to you or between you and the sun, and hold his ball in a line

