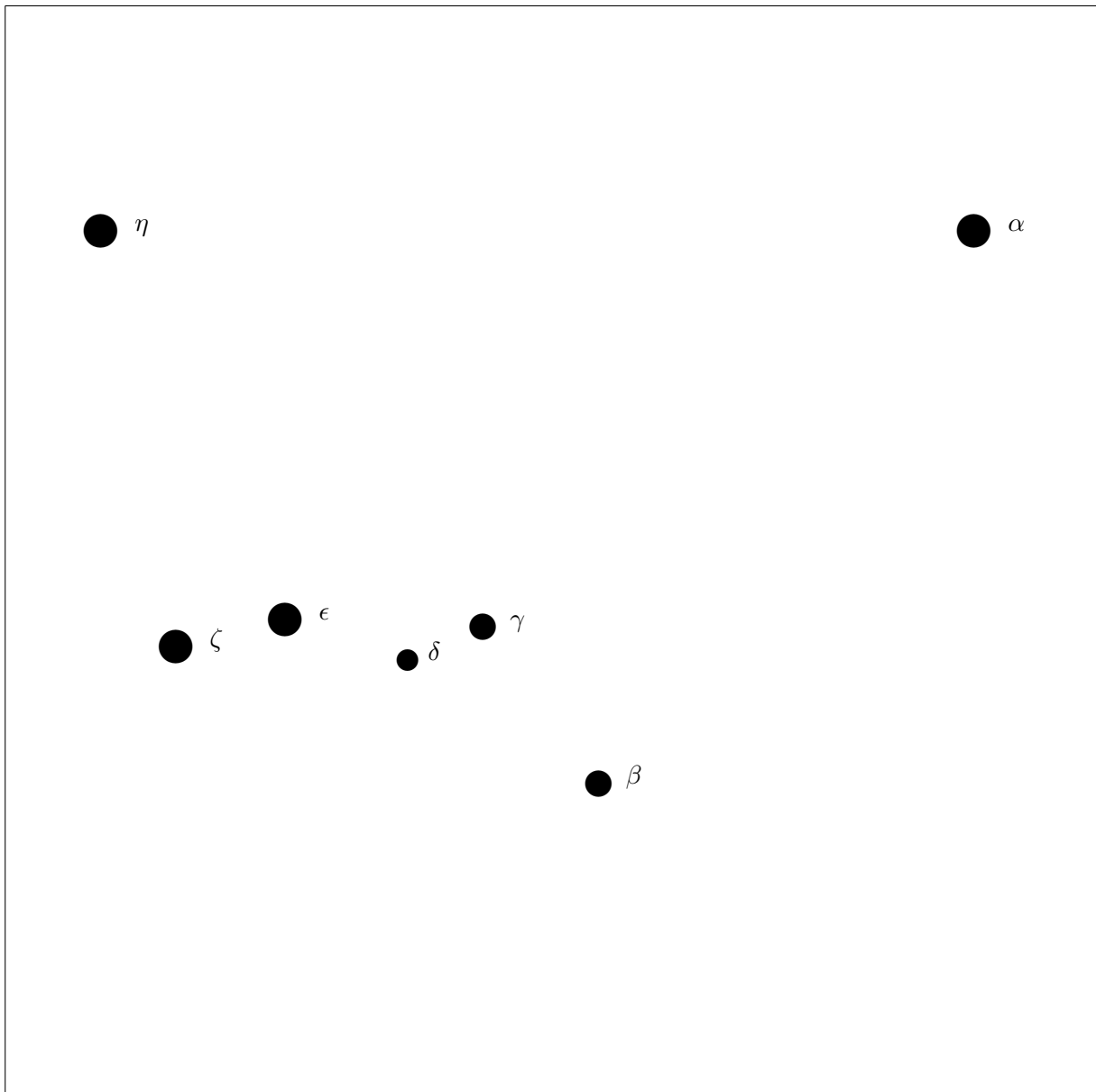# Plough Model
## A.C. Norman, Bishop Heber High School

Here is the information you need to make a model of the plough constellation[1]. You will need the $x$ and $y$ values only if you want to make your own model at home; in class, you can use the template below. Start by sticking it onto a piece of card of the same size.

|  | Name | $z$ / mm | Size / mm | | $x$ / mm | $y$ / mm |
|---|---|---|---|---|---|---|
| $\alpha$ | Dubhe | 137 | 7 | | 142 | 127 |
| $\beta$ | Merak | 84 | 6 | | 87 | 46 |
| $\gamma$ | Phecda | 80 | 6 | | 70 | 69 |
| $\delta$ | Megrez | 92 | 5 | | 59 | 64 |
| $\epsilon$ | Alioth | 94 | 7 | | 41 | 70 |
| $\zeta$ | Mizar | 94 | 7 | | 25 | 66 |
| $\eta$ | Alkaid | 96 | 7 | | 14 | 127 |



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[1]Strictly speaking, the plough is an asterism, meaning that it is a group of stars in a pattern, but not actually one of the constellations (the plough is actually a part of the larger constellation of *ursa major*, Latin for "larger bear").