

This PDF is a collection of constellations (in the Northern Hemisphere) and some of the hidden gems within them (Nebulae, stellar clusters, galaxies...). I've tried to highlight which can be seen with the Naked eye, which need binoculars & which require a telescope. This will depend somewhat, however, on how clear or polluted your sky is. I hope this can encourage you (and/or your children) to go out and see (and think about!) the night sky and everything out there!

Rose U



Galaxy



Nebula



Open cluster of stars



Star



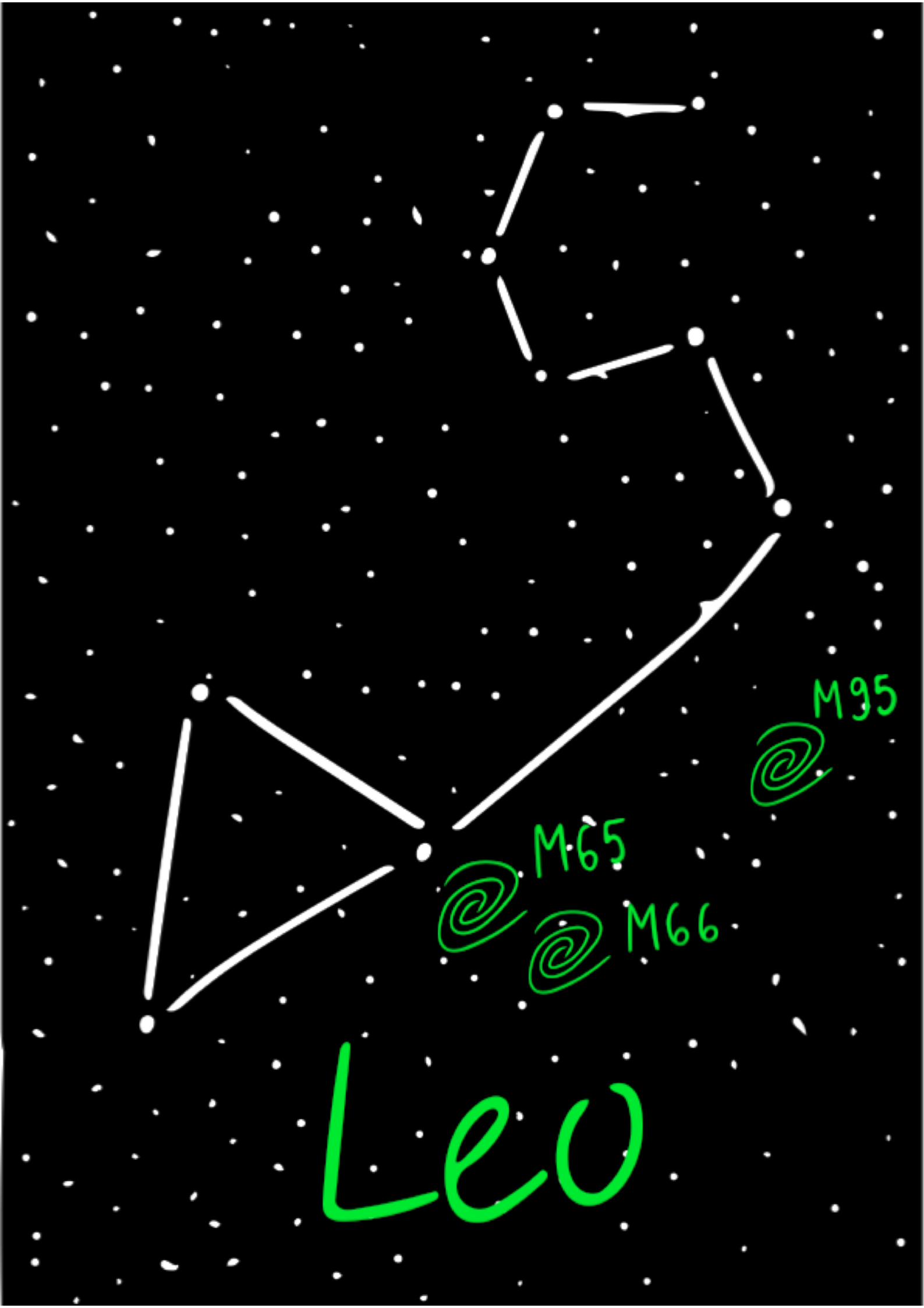
Naked eye



Binoculars



Telescope



M95  
@

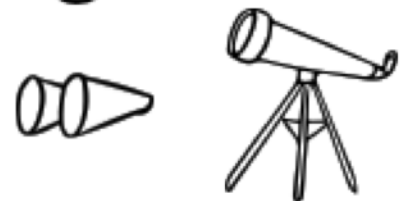
M65  
@

M66  
@

Leo

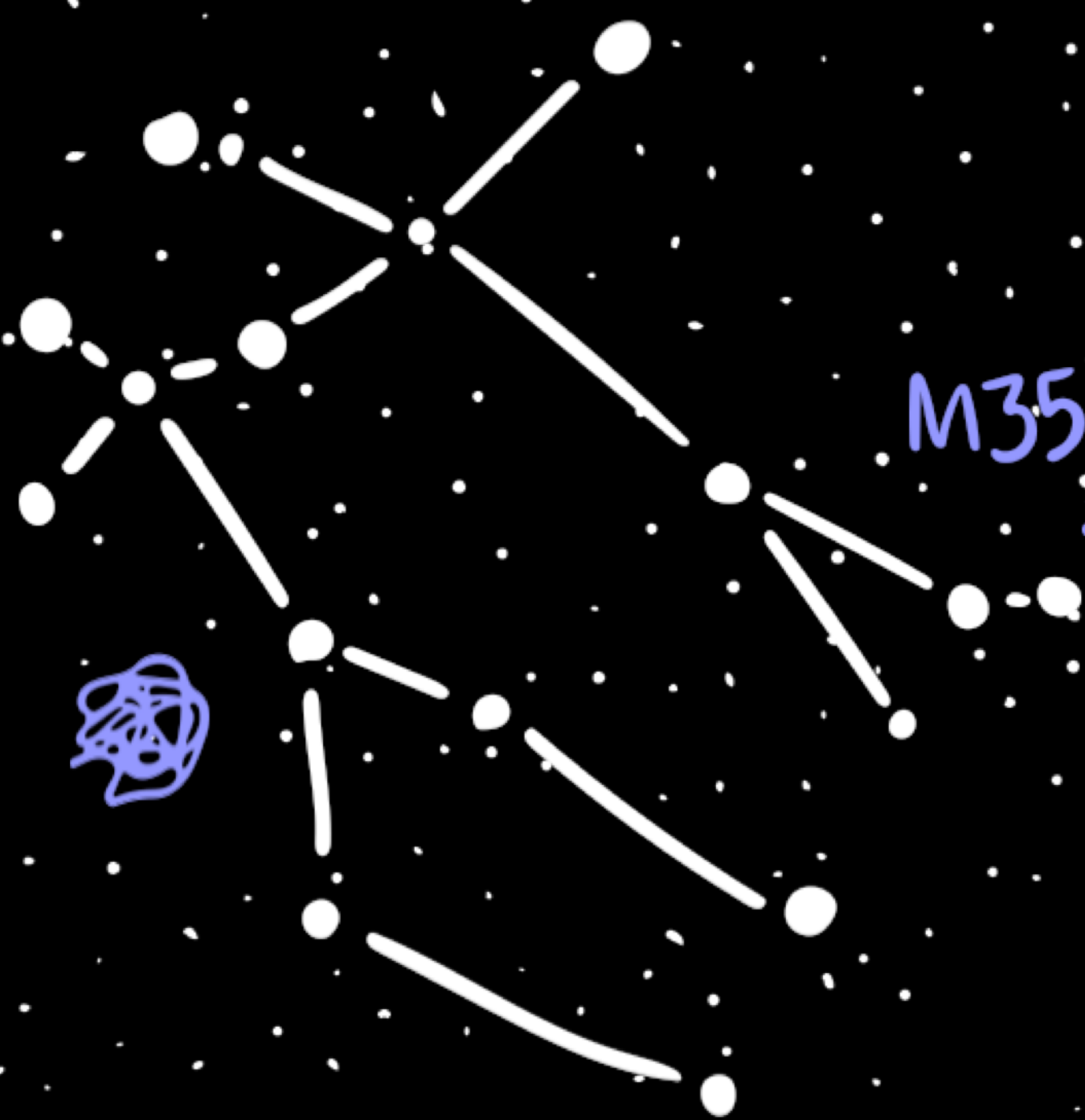
# Leo

- @ Messier 65 and 66  
Two galaxies that make up 2/3 of the “Leo Triplet”: 3 galaxies merging together.



- @ Messier 95  
Faint galaxy in a small telescope.





M35

Gemini

# Gemini



Messier 35

Open cluster of stars



Eskimo nebula; small  
telescope



Geminids; meteor shower  
that peaks around

December 14.





# Cassiopeia

# Cassiopeia



Messier 52 and 103

Open cluster of stars





M82 @ @ M81



Ursa Major

# Ursa Major



Contains the “Big Dipper” / “the plough”



Messier 81 and 82  
Bright spiral galaxies



# Cygnus



“The tail”

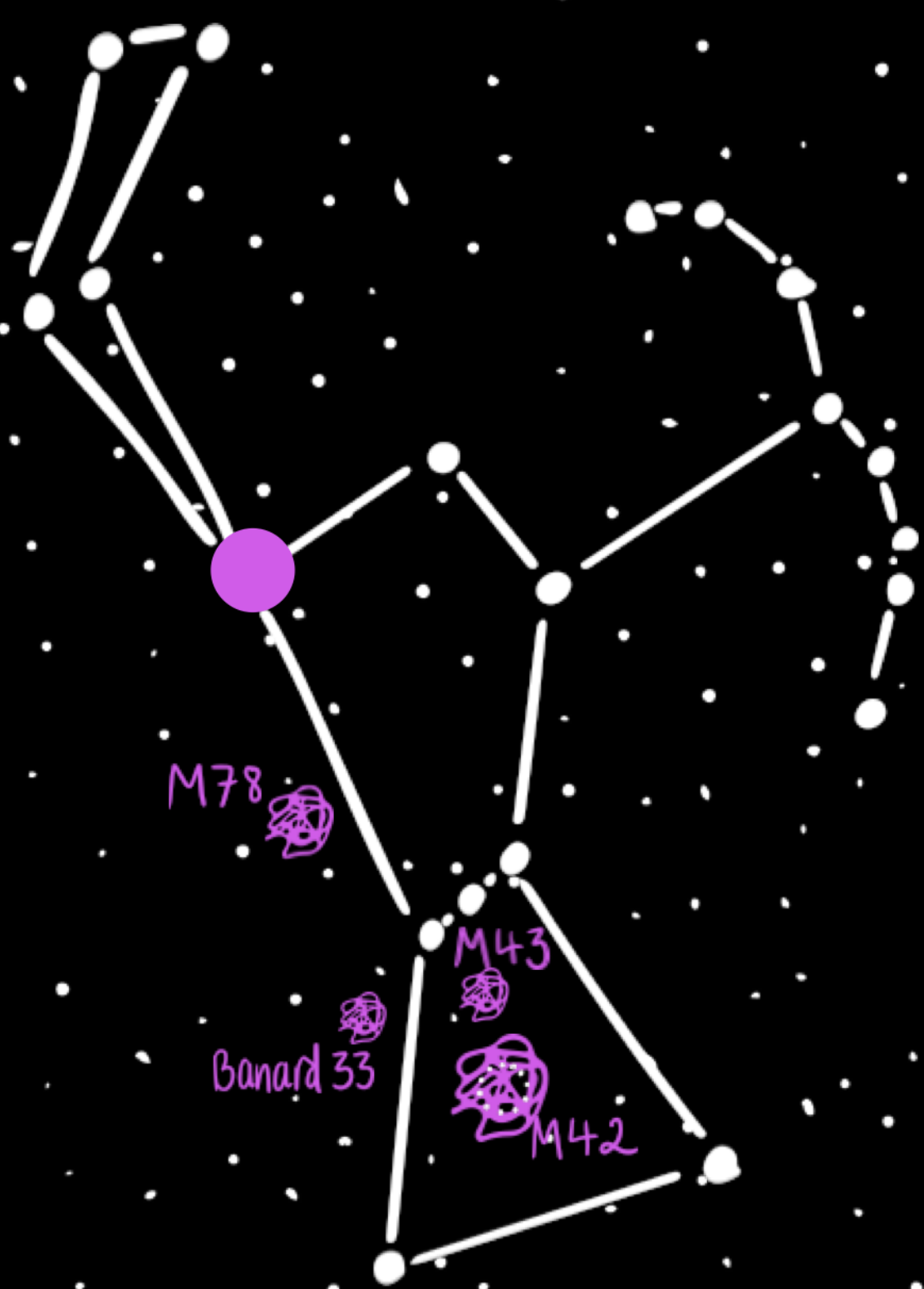
A white supergiant



Messier 29

An open cluster of stars





Orion

# Orion



The trapezium  
Open cluster of stars.



Messier 42, 43 and 78

The Orion Nebula,  



De Marian nebula,  

And a reflection nebula



B 33; horsehead nebula



Betelgeuse; a red giant,  
ready to go supernova!

