Work with your group up at a board to create 4 sketches:

- 3c) In a hyperbolic sketch, produce a hyperbolic line I as well as two hyperbolic lines $m_{1}$ and $m_{2}$ that both go through the same point off of $/$ but never intersect $/$.
- The exterior angle theorem says that the exterior angle of a triangle equals the sum of the remote interior angles.
- 4a) Create a Euclidean geometry sketch and annotate to showcase that the exterior angle theorem is true there.
- 4c) Create a hyperbolic sketch and annotate to show why the exterior angle theorem is false there.
- 4d) Create a spherical triangle sketch and annotate to show why the exterior angle theorem is false there.

https://pankmagazine.com/piece/euclids-postulates/

