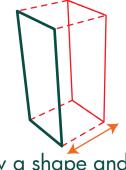
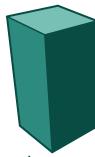
## Solid Geometry

## **Prism To Bus**

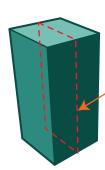
A prism is a polyhedron. That means that the cross-section will be a polygon (a straight-edged figure), so all sides will be flat!



Draw a shape and extend it out.

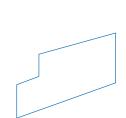


This is a rectangular prism.

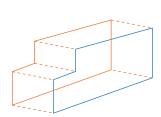


This cross-section will always be a rectangle.

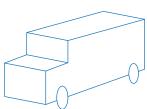
A slice from this is called a cross-section.



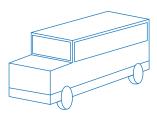
Let's start with a 6 sided polygon shaped like a bus.



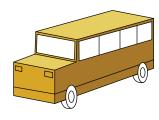
Extend the shape to form a 3D bus.



Erase some of the lines that we don't need and add wheels.



Add rectangles for windows, extend the wheels, and add a line to form the bumper.



Let's shade in the side, front and top with lighter to darker yellows.



Color in the windows, lights and bumper of the bus.



It's time to have fun and add more details to the bus.



Add some hills and a road, and you are done!