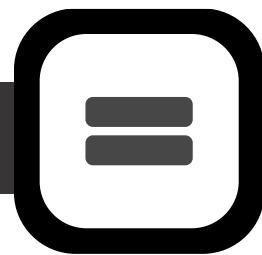


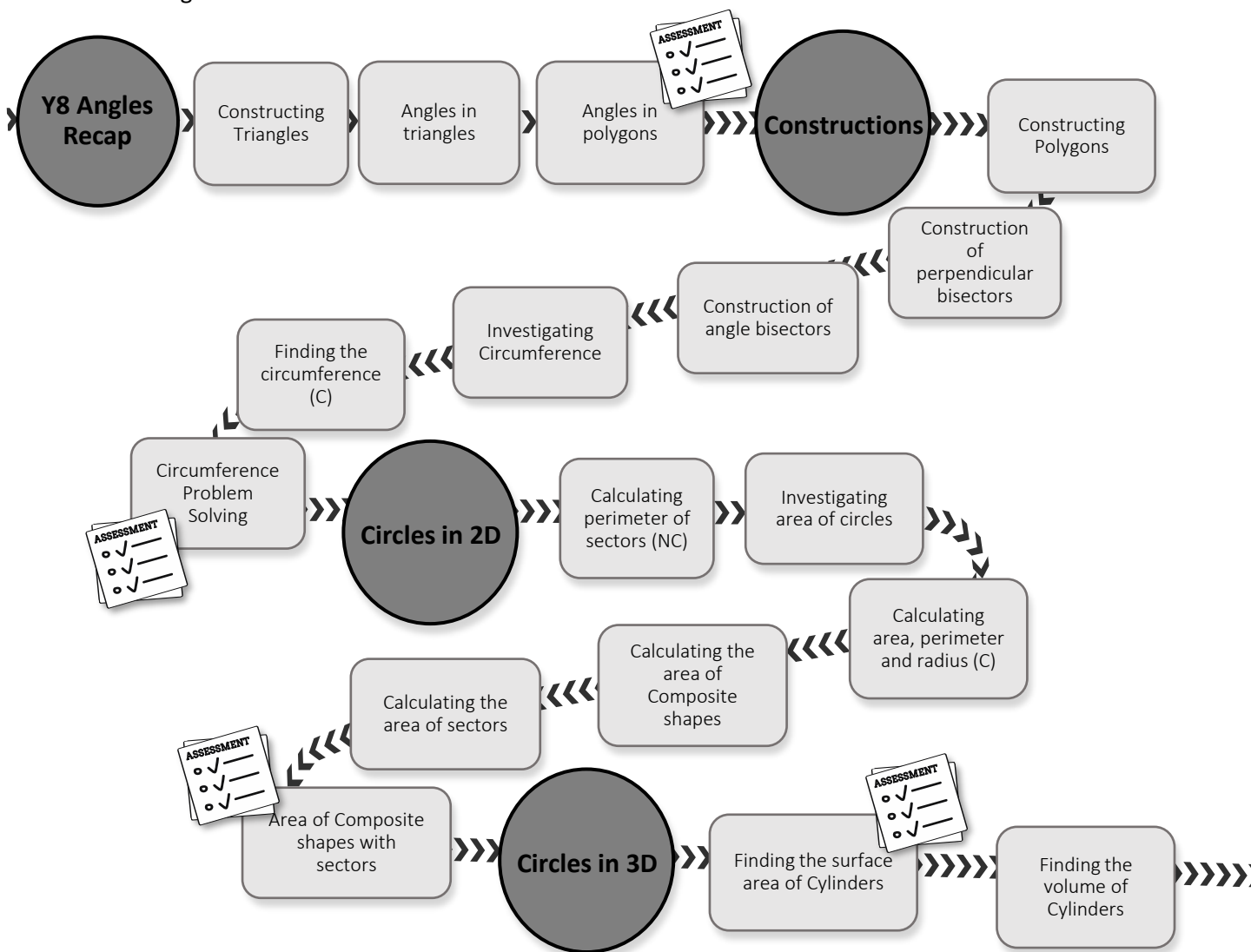
LEARNING JOURNEY MATHS



Constructions and Circles

Year 9 Spring Half Term 2

"Construction" in Geometry means to draw shapes, angles or lines accurately. These constructions use only a compass, straight edge (i.e. ruler) and a pencil. This is the "pure" form of geometric construction: no numbers involved. We have already covered some basic constructions in Year 8, where we constructed triangles. This half term we will be looking into circles as well as other shapes. Circles and constructions are used in many STEM careers such as engineering and architecture. Although we may use computer programming to do some modelling of buildings, architects will often revert back to using a pencil, compass and a straightedge to create their drawings.



TUDOR HABITS AND VALUES: Constructions are abstract. The knowledge you will gain during this time will be absent numbers which means you will need to focus on the process rather than the product.

VOCABULARY:

Intersection
Variable
Coefficient
Simultaneous