

## Algorithm Design and the Circulatory System

Grade 5 Human Organ Systems

## Flow Chart Possibilities

**Circulator System: Blood Flow Chart** 

Start at the heart

Create Own Command: Oxygenate blood

Move: Move oxygenated blood heart out through the arteries through to capillaries

**Create Own Command:** Deliver oxygen and nutrients

**If/Then Command:** If deoxygenated, then pick up carbon dioxide

**Turn:** Turn 180 degrees, head back to the heart through the capillaries to the veins

**Repeat:** Repeat for all areas of the body