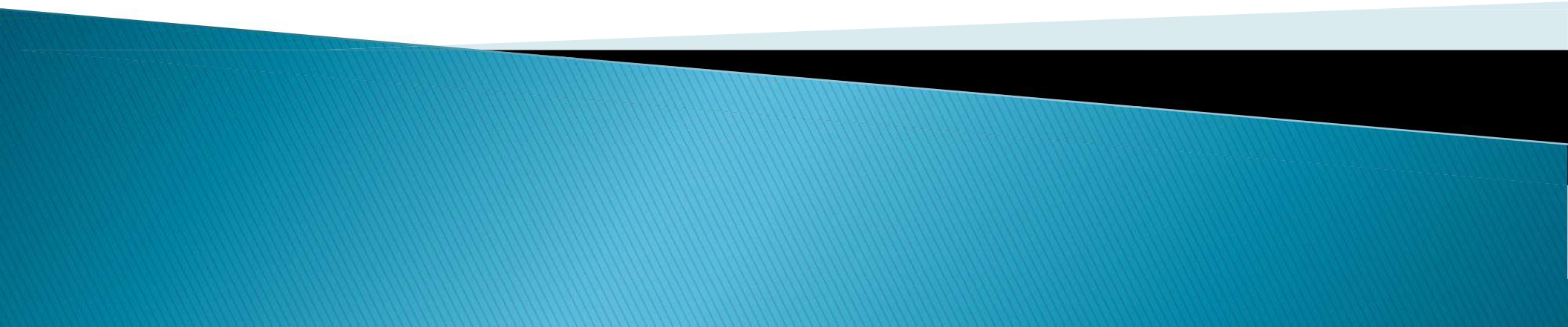
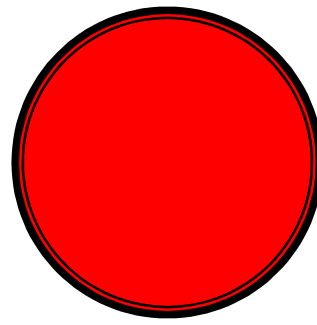


A NEW KIND OF WAR

PART 2
WEAPONS OF WORLD WAR I



PDN

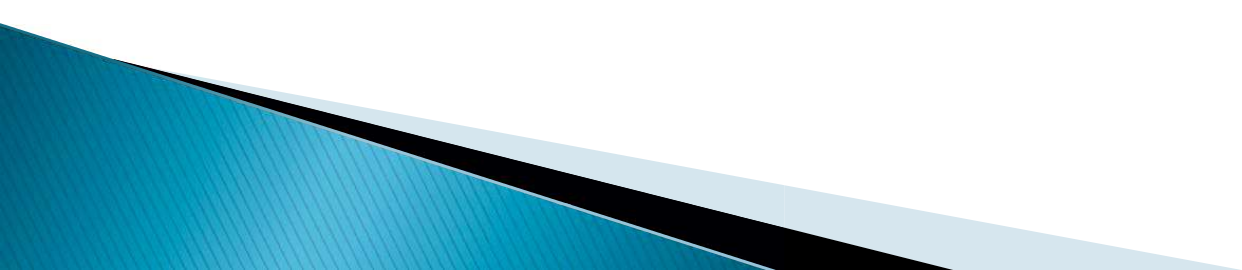


Enduring Understanding:

Guns, tanks, airplanes, and submarines were also utilized in the fighting

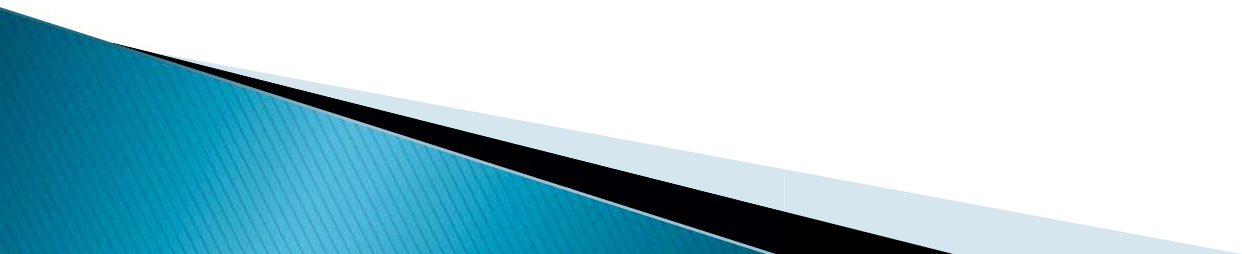
Essential Questions:

1. What were the effects of major new military technologies on World War I?



Objectives

- ▶ Identify and describe the impact of modern technology on the fighting
- ▶ Explain how WWI was a global conflict



GUNS

- ▶ rapid-fire machine guns were used

early machine guns:

- ▶ were big & heavy
- ▶ needed a crew of four to six people to operate
- ▶ lacked cooling mechanisms
- ▶ shot 400–600 small caliber rounds per minute



GUNS

- ▶ later machine guns were lighter & more portable
- ▶ lighter weight, but still too heavy (26 lbs.)
- ▶ **1918** → guns for infantrymen now existed
 - lighter weight (20 lbs.)
 - lacked enough ammunition
- ▶ by end of war, guns had been added to tanks, warships, & aircraft

TANKS

- ▶ aka: landships
- ▶ armored vehicles
- ▶ could cross rough battlefield terrain
 - such as no man's land
- ▶ first tank, "Little Willie"
 - 14 tons (weight) with 12-foot long track frames
 - space for three men (cramped)
 - maximum speed of 2 mph (on rough terrain)



TANKS

- ▶ first developed in Great Britain
 - France & the US soon became interested

- ▶ not very reliable or useful at first

- ▶ used later in the war
 - November 1917, Battle of Cambrai

- ▶ by end of war,
Britain had produced 2,636 tanks;
France 3,870; & Germany 20



AIRCRAFT

Remember the old baseball team?
This is where the name comes from!



Uses of aircraft:

- ▶ observe enemy positions
- ▶ armed with machine guns & bombs
- ▶ attacked battlefields & cities
- ▶ attacked enemy planes ("dogfights")
- ▶ useful from beginning of war



Manfred von Richthofen aka "The Red Baron"

AIRCRAFT

- ▶ most countries had few planes at start of war
- ▶ production of planes increased rapidly
- ▶ planes had to be easy to fly
 - first, designed for stability
 - later, designed for maneuverability
- ▶ generals began including planes in planning

