Technology in World War One (WW1)
Discussion Points

With the partner assigned to you, discuss the following questions about technology in World War I

1. What potential impact does technology have on the outcome of a war?
2. What types of weapons do I think were used in World War I?
3. What weapons from World War I does the United States still use in the military?
Types of World War I technology

1. Airplanes
2. Submarines
3. Tanks
4. Machine Guns
5. Trenches
I confess that in 1901 I said to my brother Orville that man would not fly for fifty years.

~ Wilbur Wright
With the partner assigned to you, discuss the following question about airplanes.

1. In what ways can airplanes be used to help a country in the midst of war?
Benefits of airplanes

1. An alternative to the Navy
2. Quicker access to other countries
3. Attack from above
4. Excellent for scouting
Manfred von Richthofen (The Red Baron)

The Red Baron.docx

Snoopy Vs. The Red Baron
With the partner assigned to you, discuss the following question about submarines.

1. In what ways can submarines be used to help a country in the midst of war?
Role of submarines in World War I

1. First Major Impact was WW1
2. Sneak Attacks
3. Spying
4. Control of the Waters
5. Main contributor to the United States entering the war
6. Used very effectively by the Germans
Quick Review

With the partner assigned to you, discuss and write an answer to the following about technology in World War I.

1. List three benefits of airplanes and submarines during World War I.
With the partner assigned to you, discuss the following question about tanks.

1. What do you think was the biggest role of tanks during World War I?
The role of tanks in World War I

1. Advancement of troops
2. Protection
3. Can do considerable amounts of damage
4. Knock down barriers
Discussion Point

With the partner assigned to you, discuss the following question about machine guns.

1. What do you know about machine guns?
Quick facts about machine guns during World War I

1. Took 4-6 men to operate
2. Often overheated very quickly
3. Estimated value
   1. 1 Machine Gun = 80 Rifles
4. Typically used as a defensive weapon
   Invented by an American (Hiram Maxim) while in England
Quick Review

With the partner assigned to you, discuss and write an answer to the following about technology in World War I.

1. What are the four weapons discussed so far
2. What is one advantage/benefit of each weapon
Definition of *Trench*

1. **Trench** - a long, narrow excavation in the ground, the earth from which is thrown up in front to serve as a shelter from enemy fire or attack. ([www.dictionary.reference.com](http://www.dictionary.reference.com))

1. I.E. Excavation – self dug hole
Trenches in World War I

1. Used to protect soldiers from enemy fire in the fields
2. Used extensively during World War I
3. Came out of necessity because of improved weapons, particularly: better rifles, machine guns, and tanks.
Aircraft can warn of the build-up of enemy troops before an attack.

Barbed wire: metres deep and an impassable obstacle for any troops able to reach it.

Concrete block house for a machine-gun.

Reserve trench.

Support trench.

Front-line trench.

No Man's Land (the stretch of land between the trenches of the opposing sides) has already been churned up by shell fire. In wet weather it becomes a mass of mud, making it even harder for troops to cross.

Front-line dug-outs provide protection but not against a direct hit from an artillery shell.

A deep dug-out. German ones could be 15 m below ground and too well constructed to be damaged by shell fire.

Long-range artillery is placed about 10 km behind the front line. These guns fire at advancing enemy troops.

Communication trenches are dug so as to be broad enough to support and expose them to shell fire.

PROBLEMS FACING ATTACKING TROOPS
Impact of technology during World War I

1. Allowed for weapons to fire from greater distances
2. Higher firing rates
3. Air Fights (Dog fights)
4. Attacks from above
5. Protection required for poison gas
6. Start of soldiers becoming less relevant
Final Review

With the partner assigned to you, discuss the following questions about technology in World War I:

1. What were two benefits of airplanes during WW1?
2. What were two benefits of submarines during WW1?
3. What were two benefits of tanks during WW1?
4. What are two facts about machine guns from WW1?
5. What is the definition of a trench?
6. What role did technology in World War I have on soldiers?
Congratulations!!!
You now are masters of technology in WWI