



Virginia 4-H MAKING the Future

*18 U.S.C. 707

WWI Maker Activities

Overview. . .

The WWI Maker Activities are a series of hands-on activities, providing children and youth the opportunity to build, make and create. The activities are centered around various educational opportunities, the science behind them, and a brief introduction of WWI related history. The activities can be offered as a WWI Military Maker event for families or as an ongoing series of weekly activities for children and youth.

Activities

The Hello Girls - Make a phone from paper cups and string
 ⇒ *The science behind* . . . telephones (Physics)
 ⇒ *The history behind* . . . telephones
 ⇒ *WWI focus* - women in the military and the *Hello Girls*

Codes and Ciphers - Make a cipher disk and write a message in code
 ⇒ *The science behind* . . . codes and ciphers (Math)
 ⇒ *The history behind* . . . codes and ciphers
 ⇒ *WWI focus* - Native Americans and the Choctaw Indian codebreakers

Seed Tape - Make a seed tape from cornstarch and toilet paper
 ⇒ *The science behind* . . . seeds (Plant Science)
 ⇒ *The history behind* . . . War Gardens
 ⇒ *WWI focus* - Liberty Gardens

Making Music - Make musical instruments (flute, trumpet, guitar, drum) out of everyday items
 ⇒ *The science behind* . . . music (Physics/Music)
 ⇒ *The history behind* . . . military bands
 ⇒ *WWI focus* - General Pershing and the AEF bands

Monuments - Make a monument out of everyday items
 ⇒ *The science behind* . . . building structures (Engineering/Visual Arts)
 ⇒ *The history behind* . . . monuments
 ⇒ *WWI focus* - monuments dedicated to WWI

Animals – Make a bird whistle from a straw
 ⇒ *The science behind* . . . animal sounds (Biology)
 ⇒ *The history behind* . . . animals in warfare
 ⇒ *WWI focus* - the role of animals in WWI

Writing to Soldiers – Partner with local support agencies to write postcards to our current soldiers
 ⇒ *The science behind* . . . communication methods (Language Arts)
 ⇒ *The history behind* . . . communication during wartime
 ⇒ *WWI focus* - the role of the Red Cross and YMCA

Boats - Make a self-powered boat out of paper and rubber bands
 ⇒ *The science behind* . . . boats (Engineering/Arts)
 ⇒ *The history behind* . . . the Navy
 ⇒ *WWI focus* - the role of the Navy

Airplanes - Make an airplane out of paper
 ⇒ *The science behind* . . . airplanes (Engineering/Arts)
 ⇒ *The history behind* . . . flight
 ⇒ *WWI focus* - the role of the Army Signal Corps

Parachutes - Make ‘parachutes’ with napkins and pipe cleaners
 ⇒ *The science behind* . . . gravity and air resistance (Physics)
 ⇒ *The history behind* . . . the invention of the parachute
 ⇒ *WWI focus* - the use of parachutes by WWI pilots

www.ext.vt.edu/topics/4h-youth/makers

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