



WORKSHEET 2B: DESIGNS OF THE PAST

Instructions to students: Read through the list of 18th and 19th Century inventions and then answer the following:

How many do you recognise? How many are still in use today? Were you surprised at when they were invented?

How many made life easier for: Workers; People; Industry; Farming; Travel; Communicating.

Who do you think were the main beneficiaries of these inventions? Who do you think might have used these inventions first: Working people? Industrialists? Other inventors? Wealthy people?

Choose five from the list which individuals might use and find out:

How was its development funded? How might life have been improved because of it? What was the impact on the world? How much might it have cost to buy? Was it affordable? Do you consider it a good or bad invention in terms of its impact on life? Explain.

How do you think these inventions might have affected at the time:

Job opportunities; working conditions; skills required; education; training; qualifications.

18th Century inventions

The seed drill (J. Tull)	Marine chronometer (J. Harrison)	Bi-focal eyeglasses (B. Franklin)	Power loom (E. Cartright)
The piano (B. Cristofori)	Spinning jenny (J. Hargreaves)	Circular saw (Gervinus)	Chemical bleaching (C. Berthollet)
Atmospheric steam engine (T. Newcomen)	Soda water (J. Priestley)	Parachute (demonstrated by L. Sebastien)	Steamboat (J. Fitch)
Diving bell (E. Halley)	Spinning frame (R. Arkwright)	Self-winding clock (B. Hanks)	Gas lighting (W. Murdoch)
Fire extinguisher (F.C. Hopffer)	Improved steam engine (J. Watt)	Hot air balloon (Montgolfier brothers)	Smallpox vaccination (E. Jenner)
Thermometer (G. Fahrenheit)	Flush toilet (A. Cummings)	Steel roller (H. Cort)	Cotton gin (patented by E. Whitney)
Flying shuttle (J. Kay)	Steamship (J. Perrier)	Threshing machine (A. Meikle)	Battery (A. Volta)
Lightning rod (B. Franklin)	Submarine (D. Bushnell)	Safety lock (J. Bramah)	
Sextant (J. Campbell)	Spinning mule (S. Crompton)		

WORKSHEET 2B: DESIGNS OF THE PAST (CONTINUED)

19th Century inventions

Jacquard Loom (J.M. Jacquard)	Electric dynamo (M. Faraday)	Patent for first dishwasher (J. Houghton)	First moving pictures (E. Muybridge)
Developed steam powered locomotive (R. Trevithick)	Ice machine (J. Perkins)	Another sewing machine patented (I. Singer)	Form of toilet paper (British perforated company)
First arc lamp (H. Davy)	Patented wrench (S. Merrick)	Rayon (G. Audemars)	Seismograph (J. Milne)
Improved printing press (F. Koenig)	Propellor (F.P. Smith)	Pasteurisation (L. Pasteur)	Film for camera patented (D. Houston)
Tin can (P. Durand)	Mechanical calculator (C. Babbage)	Pullman sleeping car (G. Pullman)	Paper-strip photographic paper patented (G. Eastman)
Steam locomotive (G. Stephenson)	Revolver (S. Colt)	Safer elevator (E. Otis)	Steam turbine (C. Parson)
First person to take a photograph (J. N. Niepce)	Telegraph and Morse code (S. Morse)	Lock (L. Yale)	First practical automobile (K. Benz)
Miners lamp (H. Davy)	Postage stamp (R. Hill)	Machine gun (R. Gatling)	Gas-engined motorcycle (G. Daimler)
Soda fountain (S. Fahnestock)	Platform scales (T. Fairbanks)	Man-made plastic (A. Parkes)	Coca cola (J. Pemberton)
Stethoscope (R. Laennec)	Rubber vulcanisation (C. Goodyear)	Dynamite (A. Nobel)	Gramophone (E. Berliner)
Mackintosh raincoat (C. Mackintosh)	Bicycle (K. Macmillan)	Tin can with key (J. Osterhoudt)	Successful pneumatic tire (J.B. Dunlop)
Electromagnet (W. Sturgeon)	Blueprint (J. Herschel)	Torpedo (R. Whitehead)	Escalator (J.W. Reno)
Matches (J. Walker)	Stapler (S. Slocum)	Air brakes (G. Westinghouse)	Diesel-fueled internal combustion engine (R. Diesel)
Coin the phrase "microphone" (C. Wheatstone)	Grain elevator (J. Dart)	Traffic lights (J.P. Knight)	Dewar flask or vacuum flask (Sir James Dewar)
Typewriter (W.A. Burt)	Facsimile (A. Bain)	Barbed wire (J. Glidden)	Zipper (W.L. Judson)
Braille printing (L. Braille)	Rubber pneumatic tire patented (R.W. Thomson)	Telephone (A.G. Bell)	Portable motion picture camera (Lumiere Brothers)
First functional sewing machine (B. Thimonnier)	Anaesthesia used for tooth extraction (Dr. W. Morton)	Carpet sweeper (M. Bissell)	
	Safety pin (W. Hunt)	Cylinder phonograph (T. Edison)	