Kentucky CTE

Construction: Building Construction Technology: Introductory Masonry 460112 (2026–2027)

Demonstrate a safe environment according to best practices in the Masonry industry and OSHA standards. 1	1 Demonstrate a safe environment according to best practices in the Masonry industry and OSHA standards. 1
Proportion and mix mortars manually with a hoe and mortar box. 2	2 Proportion and mix mortars manually with a hoe and mortar box. 2
Set up and maintain a mortar mixer. 3	3 Set up and maintain a mortar mixer. 3
Proportion and mix mortar with electric and gasoline-powered mixers. 4	4 Proportion and mix mortar with electric and gasoline-powered mixers. 4
Set up and maintain masonry saws. 5	5 Set up and maintain masonry saws. 5
Stock a mortar board or pan. 6	6 Stock a mortar board or pan. 6
Temper mortar. 7	7 Temper mortar. 7
Layout building lines using the 6-8-10 method. 8	8 Layout building lines using the 6-8-10 method. 8

Skip to main content

Square corners with a framing square. 9	9 Square corners with a framing square. 9
Determine coursing with a brick spacing rule and with a modular mason's rule. 10	10 Determine coursing with a brick spacing rule and with a modular mason's rule. 10
Determine coursing with a modular mason's rule. 11	11 Determine coursing with a modular mason's rule. 11
Drop jack lines. 12	12 Drop jack lines. 12
Set corner poles for veneer. 13	13 Set corner poles for veneer. 13
Set freestanding corner poles. 14	14 Set freestanding corner poles. 14
Plumb and level with a mason's two (2') and four (4') foot levels. 15	15 Plumb and level with a mason's two (2') and four (4') foot levels. 15
Plumb with a plumb bob. 16	16 Plumb with a plumb bob. 16
Chalk a line. 17	17 Chalk a line. 17
Set lines, pins, blocks, and twigs. 18	18 Set lines, pins, blocks, and twigs. 18
Inspect, assemble, and disassemble rigging and scaffolding. 19	19 Inspect, assemble, and disassemble rigging and scaffolding. 19
Carry brick with tongs. 20	20 Carry brick with tongs. 20
Cut masonry materials with hand tools. 21	21 Cut masonry materials with hand tools. 21
Cu ma	Cut materials with a masonry saw. 22

Skip to main content

Identify brick types. 23

23 Identify brick types. 23

Spread mortar for brick. 24

24 Spread mortar for brick. 24

Make head joints for brick. 25

25 Make head joints for brick. 25

Lay inside and outside brick corner leads. 26

26 Lay inside and outside brick corner leads. 26

Gauge masonry walls with a mason's modular rule. 27

27 Gauge masonry walls with a mason's modular rule. 27

Dry bond brick. 28

28 Dry bond brick. 28

Bond a brick wall for range with a rule. 29

29 Bond a brick wall for range with a rule. 29

Lay brick to a line while holding bond. 30

30 Lay brick to a line while holding bond. 30

Tuck-point a wall. 31

31 Tuck-point a wall. 31

Finish joints with a variety of tools. 32

32 Finish joints with a variety of tools. 32

Identify types of block. 33

33 Identify types of block. 33

Layout block corners and walls with a tape measure. 34

34 Layout block corners and walls with a tape measure. 34

Bond corners for all widths of block. 35

35 Bond corners for all widths of block. 35

Square corners with a 2' framing Square. 36

36 Square corners with a 2' framing Square. 36

Spread mortar for blc

37 Spread mortar for block. 37

Skip to main content

Lay inside and outside block corner leads. 38

38 Lay inside and outside block corner leads. 38

Lay a block wall to a line. 39

39 Lay a block wall to a line. 39

Lay closure block/brick. 40

40 Lay closure block/brick. 40

Lay 4” partition block walls and cap block. 41

41 Lay 4” partition block walls and cap block. 41

Install foundation vents. 42

42 Install foundation vents. 42