



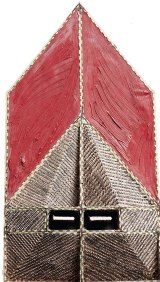
# IMAGE INDEX

1.  Mary Eck Holland Call (United States, 1893–1959)  
*Abandoned*, 1950  
Watercolor on paper  
369 x 470 mm  
KSU, Beach Museum of Art, 1951.3


Math topic: Linear perspective. Horizon (Chapter 8, p. 148) )

2.  Charles Merrick Capps (United States, 1898–1981)  
*Mexican Barber Shop*, 1938  
Aquatint on paper  
215.9 x 292.1 mm  
KSU, Beach Museum of Art, 1966.19

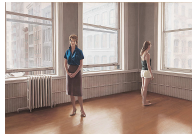
Math topic: Linear perspective. Vanishing points (Chapter 8, p. 149; insert, pp. 128-129)

3.  Jack Chevalier (United States, born 1948)  
*Red Groom*, 1979  
Balsa wood, paper, paint 38.1 x 21 x 6.4 cm  
KSU, Beach Museum of Art, 1988.3

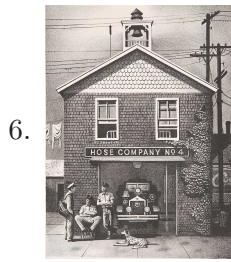
Math topic: Reflection symmetry (Chapter 4, p. 61; insert, pp. 16-17)

4.  Carol Pylant (United States, born 1953)  
*No Masters*, 1986  
Oil on panel  
76.2 x 66.99 cm  
KSU, Beach Museum of Art, Friends of Art, 1988.6

Math topic: Linear perspective (Chapter 8, p. 127)

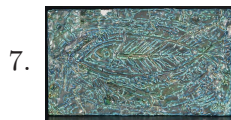
5.  Carol Pylant (United States, born 1953)  
*Spring and Mercer*, 1983-84  
Oil on panel 100.01 x 146.05 cm  
KSU, Beach Museum of Art, Friends of Art, 1988.9

Math topic: Two-point perspective (Chapter 8, p. 138)



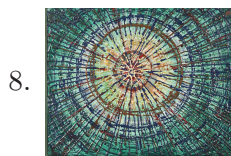
Stevan Dohanos (United States, 1907–1994)  
*Hose Co #4*, 1933  
 Lithograph on paper 349 x 260 mm  
 KSU, Beach Museum of Art, bequest of Raymond & Melba Budge, 1992.12. Art © Estate of Stevan Dohanos/Licensed by VAGA, New York, NY

Math topic: Linear perspective. Front view (Chapter 8, p. 136; insert, pp. 144-145)



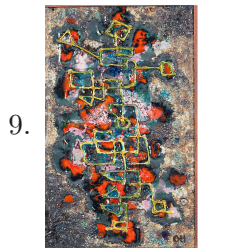
Orval F. Hempler (United States, 1915–1994)  
 Title unknown, 20th century  
 Glazed earthenware  
 50.8 x 29.21 cm  
 KSU, Beach Museum of Art, bequest of Orval F. Hempler Estate, 1994.21

Math topic: Reflection symmetry (Chapter 4, p. 62)



Orval F. Hempler (United States, 1915–1994)  
 Title unknown, 20th century  
 Glazed earthenware  
 41.28 x 50.8 cm  
 KSU, Beach Museum of Art, bequest of Orval F. Hempler Estate, 1994.23

Math topic: Circles (Chapter 5, p. 75)



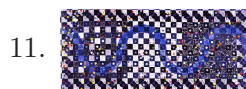
Orval F. Hempler (United States, 1915–1994)  
 Title unknown, 20th century  
 Glazed earthenware  
 48.9 x 28.58 cm  
 KSU, Beach Museum of Art, bequest of Orval F. Hempler Estate, 1994.32

Math topic: Topology. Tracing design (Chapter 10, p. 174)









Shirley Smith (United States, 1929–2013)  
*Kansas Gate Posts*, 1985  
 Oil on canvas  
 129.54 x 185.42 cm  
 KSU, Beach Museum of Art, gift of Nancy Landon Kassebaum Baker, Burdick, Kansas, 1998.5


Math topic: Linear perspective. Front view (Chapter 8, p. 131; insert, pp. 128-129)




Alan Shields (United States, 1944–2005)  
*The Worm Has Many Hearts*, 1993–1994  
 Acrylic, thread, wool yarn, and acrylic yarn on canvas  
 140.33 x 323.85 cm  
 KSU, Beach Museum of Art, Friends of the Beach Museum of Art purchase, 1999.14

Math topic: Symmetry. Frieze pattern (Chapter 4, p. 67)


12.  George M. Kren (United States, born Austria, 1926–2000)  
*The Wamego House*, 20th century  
Gelatin silver print  
191 x 241 mm  
KSU, Beach Museum of Art, gift of Margo Kren, 2001.35  
Math topic: Linear perspective. Vanishing points (Chapter 8, p. 133)
13.  Larry W. Schwarm (United States, born 1944)  
*Red Earth near Salamanca, Spain, May 2000*, 2000  
Chromogenic print, 211 x 565 mm  
KSU, Beach Museum of Art, Friends of the Beach Museum of Art purchase, 2001.81  
Math topic: Linear perspective. Horizon (Chapter 8, p. 135)
14.  Charles Merrick Capps (United States, 1898–1981)  
*Anderson Hall*, 1947  
Lithograph on paper  
219 x 156 mm  
KSU, Beach Museum of Art, gift of Elizabeth Taggart, 2002.291  
Math topic: One-point perspective (Chapter 8, p. 137)
15.  Jesus (Jessie) Manuel Montes (United States, born Mexico, 1935–2013)  
*21 with Cube*, 2001  
Corrugated paperboard with acrylic  
PEDESTAL 79.8 x 41.4 x 41.8 cm  
CUBE 50 x 50.3 x 50.4 cm  
KSU, Beach Museum of Art, Friends of the Beach Museum of Art purchase, 2003.5  
Math topic: Combinatorics and probability (Chapter 3, p. 41; insert, pp. 48–49)
16.  Norma Bassett Hall (United States, 1889–1957)  
*Autumn Road*, ca. 1928  
Color woodcut on paper  
165 x 218 mm  
KSU, Beach Museum of Art, John F. Helm, Jr. Memorial Fund, 2004.3  
Math topic: Linear perspective. Vanishing points (Chapter 8, p. 149)
17.  Delores Lewis Garcia (United States, Acoma Pueblo, born 1938)  
Plate, 20th century  
Glazed earthenware  
127 mm x 25.4 mm  
KSU, Beach Museum of Art, gift of Jim, Angele, Luke, & Julia Johnson, in memory of Jeaneane Berryhill Johnson, 2004.323  
Math topic: Rotational symmetry (Chapter 4, p. 63)

18.  Roger Lane Routson (United States, born 1951)  
Konza Prism, 1984  
Acrylic on shaped canvas over panel  
106.68 x 205.74 x 5.08 cm  
KSU, Beach Museum of Art, gift of James R. Ward, 2004.80


Math topic: Geometrical Optics. Refraction (Chapter 7, p. 109)

19.  Alan Shields (United States, 1944–2005)  
*Kansas Meatball*, 1985–1998  
Acrylic on canvas over aluminum tubing, bolts and nuts, and cotton thread  
292.1 x 330.2 cm  
INNER BALL 243.9 x 223.5 cm  
KSU, Beach Museum of Art, Alan Shields Memorial Fund, Ross and Marianna Kistler Beach Endowment, and gift from the Estate of William Salero, 2007.111


Math topic: Polyhedra. Icosahedron (Chapter 2, p. 25)

20.  Roy Clinton Langford (United States, 1903–1990)  
Title unknown, ca. 1955  
Watercolor with graphite on paper  
251 x 354 mm  
KSU, Beach Museum of Art, The Roy C. Langford Collection, gift of the Langford family, 2008.367


Math topic: Linear perspective. Horizon (Chapter 8, p. 131)

21.  Roy Clinton Langford (United States, 1903–1990)  
*Yellow Tree*, 1948  
Watercolor and gouache with graphite on paper  
356 x 537 mm  
KSU, Beach Museum of Art, The Roy C. Langford Collection, gift of the Langford family, 2008.388


Math topic: Linear perspective. Horizon (Chapter 8, p. 132)

22.  John L. Vogt (United States, 1930–2009)  
*Pyrrho Techniko*, 1989  
Wood and steel  
48.26 x 99.06 x 160.02 cm  
KSU, Beach Museum of Art, gift of Mrs. John L. Vogt, Mark Vogt, and Jamie Kitch, 2009.116


Math topic: Fibonacci numbers (Chapter 6, p. 89; insert, pp. 96-97)

23.  Tony Da (United States, San Ildefonso Pueblo, 1940–2008)  
Plate, 20th century  
Glazed and incised earthenware  
2.9 x 16.2 x 16.2 cm  
KSU, Beach Museum of Art, gift of Mel and Mary Cotton, 2012.182


Math topic: Symmetry (Chapter 4, p. 63)

24.  Naomi Gutierrez (United States, Santa Clara Pueblo)  
Blackware jar, 20th century  
Glazed earthenware  
28 x 32 x 32 mm  
KSU, Beach Museum of Art, gift of Mel and Mary Cot-  
tom, 2012.208


Math topic: Symmetry. Frieze pattern (Chapter 4, p. 65)

25.  Shirley Duran (United States, Santa Clara Pueblo)  
Seed pot, 20th century  
Glazed earthenware  
1.7 x 1.7 x 1.4 cm  
KSU, Beach Museum of Art, gift of Mel and Mary Cot-  
tom, 2012.216


Math topic: Symmetry. Frieze pattern (Chapter 4, p. 65)

26.  Florence Yepa (United States, Jemez Pueblo, born 1949)  
Seed pot, 20th century  
Glazed earthenware  
2.22 x 3.8 cm  
KSU, Beach Museum of Art, gift of Mel and Mary Cot-  
tom, 2012.218


Math topic: Symmetry. Frieze pattern (Chapter 4, p. 66)

27.  Maria Margarita (Margaret) Tafoya (United States,  
Santa Clara Pueblo, 1904–2001)  
Bowl, 20th century  
Glazed earthenware  
94 mm x 161 mm  
KSU, Beach Museum of Art, gift of Mel and Mary Cot-  
tom, 2012.226

Math topic: Symmetry. Frieze pattern (Chapter 4, p. 64)

28.  Antonín Rückl and Sons, Ltd., Glassworks  
(Czech Republic)  
Bowl, late 20th century  
Lead crystal  
12.7 x 21.59 x 21.59 cm  
KSU Collection, gift of Joseph & Elizabeth Barton-  
Dobení, U1.1998

Math topic: Symmetry. Frieze pattern (Chapter 4, p. 66)

29.  Antonín Rückl and Sons, Ltd., Glassworks  
(Czech Republic)  
Vase, late 20th century  
Lead crystal  
29.21 x 13.97 x 13.97 cm  
KSU Collection, gift of Joseph & Elizabeth Barton-  
Dobení, U2.1998

Math topic: Symmetry. Frieze pattern (Chapter 4, p. 67)



Antonín Růckl and Sons, Ltd., Glassworks  
(Czech Republic)  
Vase, late 20th century  
Lead crystal  
30.48 x 12.7 x 12.7 cm  
KSU Collection, gift of Joseph & Elizabeth Barton-  
Dobenín, U4.1998

Math topic: Star Polygons (Chapter 9, p. 155)



Mitsugi Ohno (United States, born Japan, 1926–1999)  
*Klein Bottle*  
Blown glass  
21.59 x 12.07 cm  
KSU, Beach Museum of Art, gift of William L. Richter  
in memory of Mitsugi Ohno, U4.2009

Math topic: Topology (Chapter 10, p. 165; insert, pp. 176-177)