3D paper model of hexagonal ice crystal

1/ cut along the outside with scissors;
2/ fold along the edges;
3/ fold the gray flaps down and glue.

Legend for this Ice I model:

- plane
- axis or direction
- family of
- family of planes
- Miller-Bravais (hkil) indices:
  - h - (h+k) and h+k+i = 0

Basics:

- 1/ plane
- 2/ axis or direction
- 3/ family of planes
- 4/ family of directions

[0001] main 4-index axis [a, b, c]
[010] other important 4-index axis
[1010] main 3-index axis [a, b, c]

Hexagonal Ice (I) Crystal

- a-axis (-20°C) 0.4518 nm
- c-axis (-20°C) 0.7357 nm
- c/a (-20°C) 1.628

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