

Materials needed

For this activity you'll need:

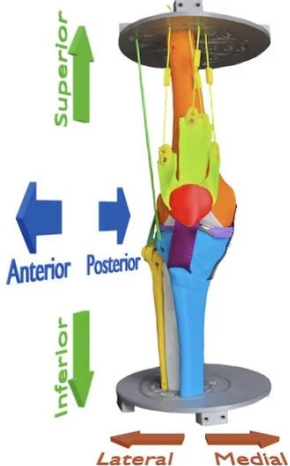
1. The [worksheet for this activity](#) (either opened in a PDF viewer on a desktop/tablet computer or printed out).

Connective tissue scavenger hunt - v1.0

INSTRUCTIONS

Use the hints in the guide (3das.us/guides/HSKN1) and the wordbank to the right to fill in the blanks on pages 2-4. Follow the hints in order, each builds off a previous one. Use your physical knee kit to help you fill in the blanks; combining the 2D images here with the 3D model will help you recognize each structure from multiple views.

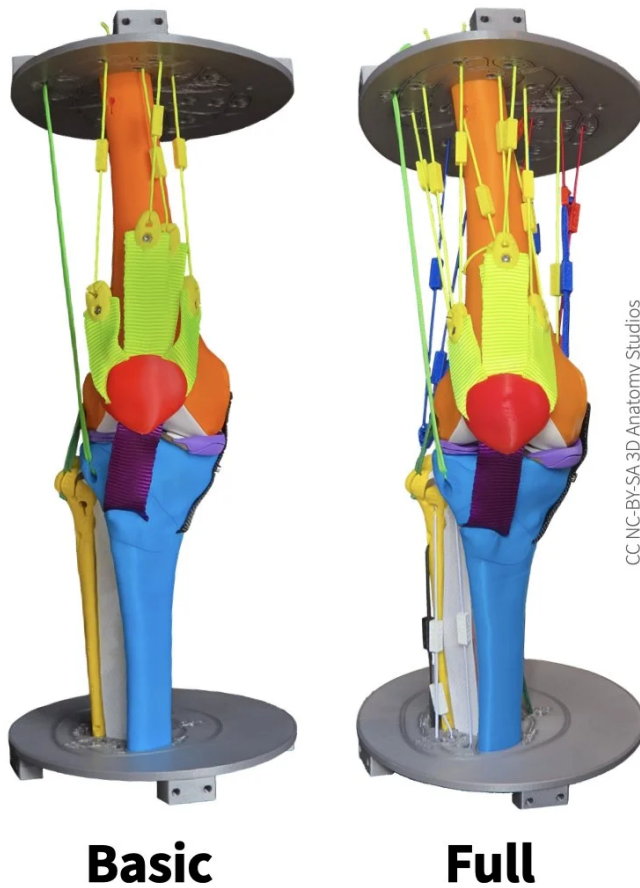
You'll use some of the names more than once. Each structure has a unique letter associated with it (right column to the right). These letters are included with the blanks on pages 2-4. If two blanks have the same letter, they're the same structure. Use the diagram below to help you with the anatomical directional terms.



No.	Name	Letter
1	Adductor tubercle	b
2	Anterior border (of fibula)	w
3	Anterior border (of tibia)	u
4	Anterior cruciate ligament (ACL)	i
5	Apex (of fibula)	k
6	Articular surface	h
7	Femur	c
8	Fibula	v
9	Head (of fibula)	q
10	Iliotibial (IT) band/tract	a
11	Intercondylar eminence	n
12	Intercondylar fossa	e
13	Interosseus membrane	s
14	Lateral/Fibular collateral ligament (LCL)	f
15	Lateral condyle (of femur)	j
16	Lateral condyle (of tibia)	g
17	Lateral epicondyle	y
18	Lateral intercondylar tubercle	l
19	Lateral meniscus	z
20	Lateral supracondylar line	i
21	Linea aspera	x
22	Medial collateral ligament (MCL)	m
23	Medial condyle (of femur)	d
24	Medial condyle (of tibia)	q
25	Medial epicondyle	j
26	Medial intercondylar tubercle	t
27	Medial meniscus	n
28	Medial supracondylar line	y
29	Meniscotibial/Coronary ligaments	o
30	Neck (of fibula)	m
31	Patella	k
32	Patellar ligament	p
33	Popliteal surface	a
34	Posterior cruciate ligament (PCL)	n
35	Quadriceps tendons	h
36	Rectus femoris tendon	e
37	Shaft (of femur)	b
38	Soleal line	r
39	Tibia	t
40	Tibial tuberosity	r
41	Vastus intermedius tendon	d
42	Vastus lateralis tendon	f
43	Vastus medialis tendon	g

You can find the guide for this activity at 3das.us/guides/HSKN1
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2. A [Human Knee Active Learning Kit](#) (Basic or Full model). You'll need at least the minimal number of muscles attached (left in the image below).



For this activity, you'll need a knee kit resembling one of the two images above. Your knee can have just a few muscles attached (left), all of the muscles attached (right), or some number in between.

This activity is easier with the minimal muscle set but it's also possible to do with more muscles attached. Your knee kit may or may not already have stickers attached. If your knee kit doesn't look like one of the kits in the image above, [follow these instructions for assembling or disassembling your kit.](#)

The following are **optional** materials for this activity:

- One of the sheets of white circle stickers in your kit
- A ball point pen or mechanical pencil for writing on the stickers (rollerball or gel pens can smear on the stickers)

