

The Anthropology event challenges competitors to identify bones and estimate the victim's height. Participants will then match their findings to a list of missing persons, aiming to solve a simulated forensic puzzle.

### Entry Requirements

- Competitors in this event compete individually, not as a team.
- Chapters can only register 3 teams to compete.

### Materials

Only the below materials are permitted in the competition.

- **Photo Identification Reference** [the rulebook \(https://tpsa.info/rulebook\)](https://tpsa.info/rulebook) for details
- **Gloves**
- **Pen** Blue or Black Ink
- **Clipboard**
- **Measuring Device** Needed to measure bone to calculate height (acceptable devices are: tape measure, meter stick, osteometric board)
- **Calculator** A calculator may be used to determine the height of the victim.

### Supplemental Documents

- [Anthropology Bone List and Formulas](#)

### Procedures and Timeline

- **Check In (10 min Time Limit)** Competitors must check in to their event at their designated **check-in time**. Competitors that arrive **ten (10) minutes** after their designated check-in time will be marked as no-shows and not be allowed to compete out of respect for the time commitment made by our judges and volunteers.
- **Pre-Event Briefing (5 min Time Limit)** After check-in, competitors will be guided to the designated event area. Once there, the moderator will provide a comprehensive briefing, detailing the event's instructions, rules, and procedures. This briefing ensures that each competitor is well-informed and prepared for the subsequent stages of the competition.
- **Part 1 (10 min Time Limit)**
  1. The competitor will have 10 minutes to complete stage 1.
  2. When the moderator starts the timer and calls "start," the competitor will don exam gloves and move to the table with the 20 bones laid out.
  3. The competitor will examine each individual bone and record the name of the bone in the corresponding blank on the answer form.
  4. There will be 5 bones that will be flagged. For those 5 bones, the competitor will also document if the bone is from the left or right side of the body.
  5. At 10 minutes, the moderator will call time and the competitor must place their hands in the air and back away from the table. The competitor will turn their answer document in to the judge for scoring.
- **Part 2 (15 min Time Limit)**
  1. The competitor will have 15 minutes to complete stage 2.
  2. When the moderator starts the timer and calls "start," the competitor will move to the table for the height calculation.
  3. The competitor will examine the pelvis and complete the sex determination chart.
  4. Use the long bone provided to measure and calculate the victim's height. Document your answer and show all work.
  5. Using the sex and height determined, look through the missing persons list and determine which person(s) are potential match(es) to the victim. Document your answer.
  6. At 15 minutes, the moderator will call time, and the competitor must place their hands in the air and back away from the table. The competitor will turn their answer document into the judge for scoring.
- **Evaluation and Scoring (5 min Time Limit)** After the completion of the event, judges will convene to assess each competitor's/team's performance based on a standardized rubric. This stage is conducted without the presence of the competitors. Judges will evaluate the criteria outlined in the rubric to ensure a fair and objective scoring process. Once all assessments are finalized, scores will be recorded for each competitor/team.

### Safety Protocols

- **Respect for Safety Regulations** Competitors are expected to adhere to all general safety regulations of the venue and any additional rules provided by the moderators or judges.
- **Fingernail Length** Competitors are required to maintain short fingernails to prevent any accidental punctures to gloves.

### Judge Qualifications

- Experience with anatomy and bone identification

Criteria	Unattempted	Unsatisfactory	Satisfactory	Proficient	Exemplary	Points
<b>Sex Determination</b>						
<b>Sex Determination</b> Complete the sex determination chart.	0 Did not attempt to determine sex.	1 Completed the sex determination chart but reached the wrong conclusions.	5 Completed the entire chart with 3 or more incorrect selections but correctly identified the sex.	7 Completed the entire chart with one or two incorrect selections but correctly identified the sex.	10 Checked all 5 sections correctly and correctly identified the sex.	0pts
<b>Safety</b>						
<b>Safety</b> Competitors don gloves and handle bones with care	0 Did not wear gloves or handle bones with care	2 Did not wear gloves but attempted to handle bones with care	3 Did not wear gloves but handled bones with care	4 Did wear gloves and attempted to handle bones with care	5 Did wear gloves and handled bones with care	0pts
<b>Identifying Bones</b>						
<b>Identifying Bones</b> Only bone names written legibly and spelled correctly will be graded.	0 4 or less bones were correctly named.	20 21 22 23 5-8 bones were named successfully	24 25 26 27 9-12 bones named correctly	29 30 31 32 14-17 bones named correctly	33 34 35 18-20 bones named correctly	0pts
<b>Identifying Right/Left</b> Only bone names written legibly and spelled correctly will be awarded 2 points	0 no bones were correctly identified as being from the right or left side of the body.	2 4 1 or 2 bones were correctly identified as being from the right or left side of the body	6 3 bones were correctly identified as being from the right or left side of the body	8 4 bones were correctly identified as being from the right or left side of the body	10 5 bones were correctly identified as being from the right or left side of the body	0pts
<b>Height Calculation</b>						
<b>Height Calculation</b> measurements and calculations to determine height	0 did not attempt to calculate height	5 calculated height more than +/- 15 cm or 6 inches from actual height	10 calculated height +/- 10-15 cm or > 4 to < 6 inches from actual height	15 calculated height +/- 5-10 cm or > 2 to < 4 inches from actual height	20 calculated height within +/- 5 cm or 2 inches of actual height	0pts
<b>Missing Person Identified</b>						
<b>Missing Person</b>	0 no missing person was identified or the incorrect missing person was identified as potentially being the victim.			10 the correct missing person was identified as potentially being the victim.		0pts
<b>Professionalism</b>						
<b>Dress Code</b>	0 Does not fulfill the dress code requirements.		10 Fulfills the dress code requirements.			0pts

Total Score: 0 /100 pts