

CWSF 2011 - Toronto, Ontario



Sissonne: The relation between knee angle and impact force

Challenge: Health

Category: Junior

Region:

City: ,

School:

Abstract: In this project, I explore the possible relation between the impact force and bend angle of the knee during the landing of a sissonne. Young, non-professional, female dancers were asked to jump on a force plate with varying angles of the knee as they land. Force data was recorded and knee angles were analyzed from videos taken of the jumps.

| Awards | Value |
|---|---------|
| Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada | \$700 |
| The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario | \$2 000 |
| Total | \$2 700 |