

Tekst 3

Why teenage boys are so gawky

- 1 Teenage boys really are as physically awkward as they appear, scientists have found.
- 2 ...
- 3 ...
- 4 ...

Daily Mail, 2016

Tekst 3

1p 3 De volgende drie alinea's van tekst 3 staan hieronder, maar niet in de juiste volgorde.

→ Schrijf de letters van de alinea's in de juiste volgorde op in de uitwerkbijlage.

[a] Boys who had experienced growth spurts – defined as growing by more than an inch in three months – showed a more irregular and less smooth gait than those who were growing steadily. The researchers found that accelerated changes in growth can alter an individual's motor control over their body, the automated process by which the brain co-ordinates the muscles and limbs.

[b] It appears that the brain needs time to adapt to the new body size and sudden growth spurts leave them unco-ordinated, but the body is still able to keep its balance despite the changes to walking style, the researchers said.

[c] Researchers from Bologna University in Italy studied a group of 88 15-year-old boys, using sensors on their lower back and legs to analyse aspects of their walk which are guided by motor control, including the smoothness of their gait and balance. The boys in the study, published in *Biomedical Engineering OnLine*, were also measured and weighed twice, three months apart, to see which had grown by more than an inch.

Bronvermelding

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