## Why Growth Measurements Are Needed?

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Chonolocical age





 age bemeen 10 and 11


- Grown hrefers to obseevable, step-bystes, measurable changes in
 the skeleton.




## Peak Height Velocity (PHV)






The following figures show the rate of chat






 adran

If relative age (which is only a $10-12$ month
difference) can have such a significant impact on selection, particication and performance, then it is obvious that developmentala age (which may represent four to tive years difference) can
have a huge impact. It is therefore essential that coaches, programmers, parents and sport administrators have a good understanding of the maturation process and its consequences and take
developmental age-related considerations into developmental age-related considerations in
account when designing their roorams.

Early and Late Maturing Children Drop Out of Sport at Different Times or Different Reason


The Six Phases of Growth In order to track $p$ pHV,
follows Six h hases





 Phase 5 : From slow deceleataion of growth to cessation of
growht Measures sanding height ever three monts. Phases: Cessation of growt. Mesurue height and weight
on birthday.


## Determining a Velocity Curve



## Tables for Plotting Annual and Quarterly Growth












## How to Measure PHV




