











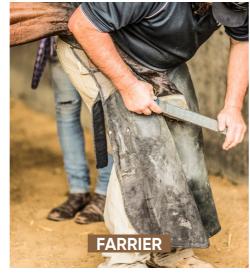






## CAREERS IN AUSTRALIA'S THOROUGHBRED INDUSTRY

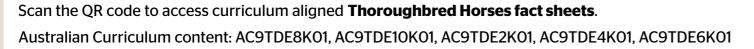












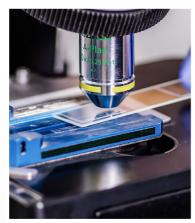






## RESEARCH & DEVELOPMENT

Genetics Breeding Health and disease control Industry safety





## PROTECTING AUSTRALIAN THOROUGHBREDS



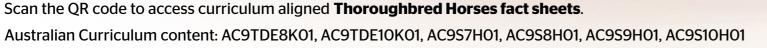




#### **BIOSECURITY**

Personal Protective Equipment (PPE) Staff training Quarantine Sanitisation



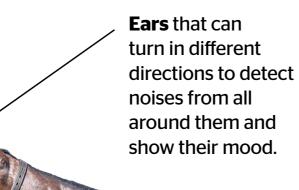






# THE CHARACTERISTICS AND FEATURES OF THOROUGHBRED HORSES

Large eyes
positioned on
the sides of the
head allow them
to see almost all
the way around
their bodies.













**Large nostrils** help them to breathe lots of air into their lungs quickly.



Long, thin legs—allow them to take big steps when walking, trotting, cantering, and galloping.



**Large muscles** at the tops of their legs help them to speed up quickly and keep a fast pace as they race.

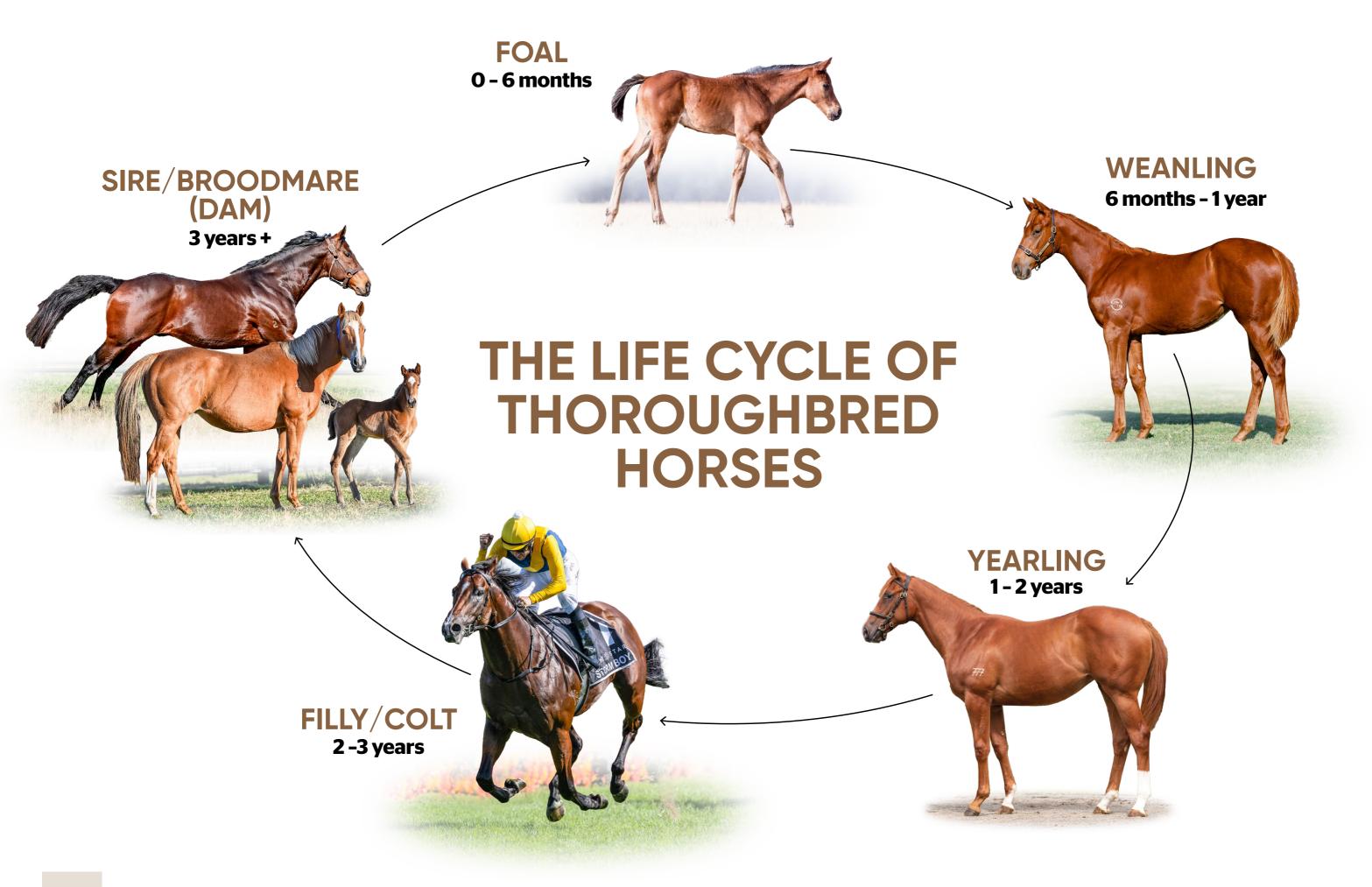


**The hooves** of thoroughbreds are hard and strong, for protection when moving.













### THE NEEDS OF THOROUGHBRED HORSES







### THOROUGHBRED ENERGY, MOTION, **AND MOVEMENT**

Energy transformations occur as a horse moves.



#### (the law of inertia)

An object at rest will remain at rest, and an object in motion will continue in motion at constant velocity (the same direction and speed) unless acted upon by an unbalanced force.

#### (the law of acceleration)

The acceleration of an object depends on the mass of the object and the force applied to it.

#### (action and reaction)

For every action, there is an equal and opposite reaction.

