

Mathematics of Bits and Biting

At a glance...

Assessed Customised Provision

Duration Notes: 20 Hours

Delivery Method: Online

Introduction

Whether you lack confidence or equestrian-themed need to brush up, our course will help you understand those maths problems in a fun, horse-friendly manner.

Overview in brief

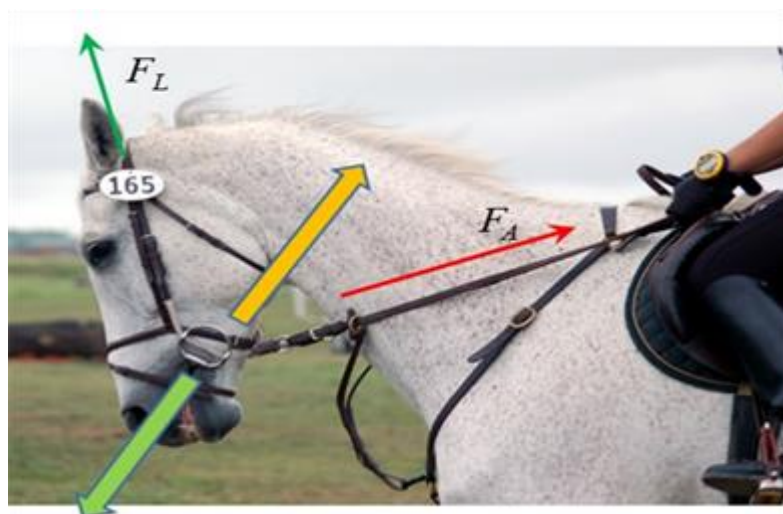
The course provides anyone seeking to improve their mathematical skills with equestrian-themed resources and activities to help develop their knowledge of fundamental mathematical skills with a focus on practical, horse related, examples.

The finer details

Develop your confidence in the use of mathematics, regarding a range of equestrian contexts by undertaking a thorough grounding in the mathematical skills required to be successful in the equine industry.

Enhance your equestrian CV by understanding of how to easily calculate feed rations based on body weight, measure hoof angles and learn basic statistical analyses as they apply to general equitation.

The course provides anyone seeking to improve their mathematical skills with equestrian-themed resources and activities to help develop their knowledge of fundamental mathematical skills with a focus on practical, horse related, examples. The course is open for 8 weeks and results in a certificate of achievement.



Who should attend?

Anyone who is interested in brushing up the core mathematics skills or interested in taking the Fundamentals of Bits and Biting series of courses, although recommended, this is not a pre-requisite to the Foundation course.



What will be covered?

By the end of the course, you'll be able to:

- Describe and identify the direction of forces applied to the horse and their magnitude
- Define coordinate systems, vectors, forces and perform basic algebra and trigonometry
- Calculate the distribution of forces through the bridle and perform basic algebraic manipulations
- Describe the operation of simple machines (pulleys, levers etc.) in the context of the operation of bits and how these affect the horse
- Confidently tackle problems involving fractions, percentages, forces, and apply your knowledge to using trigonometry, statistics, angles, and coordinate systems.

Other areas of interest

Fundamentals of Bits and Biting Foundation course.

Fundamentals of Bits and Biting Lorinery Science.

NS Academy Equine Bit Fitting Course.

