

**QUESTACON'S *BYTE WISE* EXHIBITION ENGAGES VISITORS WITH CHALLENGES DRAWN FROM MATHEMATICS AND COMPUTER SCIENCE.**

*Byte Wise* explores topics such as programming, algorithms, patterns, irrational numbers, measurement, geometry, logic and problem solving.

Visitors can play with and explore many principles of mathematics and computational thinking through interactive exhibits. The *Byte Wise* experience will inspire visitors' curiosity and confidence, and build greater understanding of what computational thinking is and how it is used in everyday life.

Visitors will learn to count in binary and discover binary addition and subtraction using physically rotating blocks, count in base 2 and compare it to base 10, and discover how and why computers use binary to encode information.

Visitors can play noughts-and-crosses against a computer program disguised as a stack of cards, design a computer which can operate without electricity, and discover how images are represented on digital displays. Visitors to *Byte Wise* will also see how internet search engines rely on methods for quickly sorting lists by playing with sorting algorithms.

*Byte Wise* can be enjoyed by visitors of all ages and has links to the Australian Curriculum across all years, particularly in mathematics and digital technologies.

The complete *Byte Wise* exhibition is also available for hire. The exhibition consists of 24 exhibits and requires a display area of 200 m<sup>2</sup>.

For further information visit the website  
[Questacon – The National Science and Technology Centre](http://Questacon – The National Science and Technology Centre)



King Edward Terrace Canberra  
02 6270 2800  
[www.questacon.edu.au](http://www.questacon.edu.au)

Media enquiries:  
02 6270 2917  
[Communications@questacon.edu.au](mailto:Communications@questacon.edu.au)



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