



**THREE ONLINE ASTRONOMY
MASTERCLASSES WITH PROFESSOR
DAVID BLOCK**

**Fellow of the Royal Astronomical Society of
London**

**For the entire community (adults welcome;
for all school learners, grade 8 and above)**

TOPICS

WEEK 1 (45 – 60 MINUTES + Q&A)

1. WHAT IS TIME?

Everyone knows ABOUT time. We live on time schedules. We use the variable t in multitudes of mathematical equations. But exactly what *IS* Time? Join the mindset of Professor David Block to explore the actual nature of TIME. Enter Stephen Hawking's world of Superspace!

WEEK 2 (45 – 60 MINUTES + Q&A)

2. THE BATTLE FOR THE SOUL OF THE WORLD (GALILEO GALILEI)

Professor David Block has spent the last ten years researching documents in undoubtedly the most famous trial in the history of modern science. It was a battle for the soul of the world. Join Professor Block in in a remarkable journey from the Vatican Secret Archives in Italy ... to Poland - and to the home where Galileo died under house arrest.

WEEK 3 (45 – 60 MINUTES + Q&A)

3. COSMIC DUST AND BLACK HOLES

This third, and final, masterclass, explores cosmic dust – an area in which Professor Block has specialized for over 25 years. You are made of carbon based star-dust! But how do astronomers actually photograph grains of cosmic dust, millions of light years away? This masterclass also concludes with an overview of black holes, some of the most enigmatic objects in our Universe.

COST OF THE THREE MASTERCLASSES: R825 (R275 x 3)

**DATES OF THE THREE ONLINE
MASTERCLASSES**

**THURSDAY JUNE 11, June 18 and JUNE 25
at 6pm.**

Participation is by full payment only, of R825, into the following bank account:

ACCOUNT HOLDER: DL BLOCK

BANK: STANDARD

ACCOUNT NUMBER: 071417400

BRANCH IBT: 025009 (RONDEBOSCH)

Payment reference: Masterclass/Your surname

Kindly email us your personal email address as well as proof of payment to JENNY KOSTER (who has most graciously agreed to coordinate the GOOGLE MEET invitations for these three Masterclasses; her email address is j.koster@cornwallhill.org with a cc to Professor David Block (igalaxy@iafrica.com)).

Due to administrative online logistics, it is not possible to only register for individual topics.

IMPORTANT: AFTER FULL PAYMENT, WE NEED TO CONTACT YOU IN ORDER FOR US TO EMAIL YOU AN INVITATION LINK TO THE MASTERCLASS. TO FACILITATE THIS, KINDLY ALSO COMPLETE YOUR PERSONAL CONTACT DETAILS ON THIS LINK:

<https://forms.gle/NMRbXpxuuAQS47fL8>

If you encounter any problems in accessing this form, simply email igalaxy@iafrica.com

**REGISTRATION FOR THESE MASTERCLASSES CLOSES ON
FRIDAY 5 JUNE 2020 at 5pm.**

ABOUT THE PRESENTER:

Professor David Block is a recipient of the NSTF-BHP Billiton Award, recognizing him as one of South Africa's foremost communicators in science. He has been a guest astronomer at Harvard University, the California Institute of Technology, the Australian National University – and multitudes more. He is the only scientist on the continent of Africa whose research has twice been featured on the cover of the world's most prestigious journal "NATURE".

Further details appear on his website:

www.davidblock.co.za

PTO/...



Professor David Block (left) with Professor Stephen Hawking (right)

"David Block is one of South Africa's greatest jewels, an ambassador for astronomy."

Debra Elmegreen

Former President of the American
Astronomical Society