WHAT THE BLEEP DO WE KNOW ABOUT THEORETICAL PHYSICS?

Spring Term 2019
Wednesday 1:00-3:00 pm
First Universalist Church, 4101 E Hampden Avenue
Facilitator: Peter Gilbert
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DATE       SUBJECT

Apr 3       Gravity from Isaac Newton to Albert Einstein.
Apr 10      Einstein’s Special Theory of Relativity and an introduction to Quantum Theory.
Apr 17      Quantum Theory continued and the search for the “Theory of Everything”, including String Theory,
Apr 24      Fundamental particles from the ancient Greeks to the current “Standard Model”.
May 1       Fundamental particles continued, including the Higgs Particle and the latest news from the Large Hadron Collider, followed by an introduction to Radioactivity.
May 8       Radioactivity from Marie Curie to the atomic and hydrogen bombs.
May 15      Cosmology from the Big Bang to the universe’s ultimate fate, including dark matter and dark energy.
May 22      Astrophysics and the life cycle of our sun and other stars, including neutron stars, black holes, super nova and the synthesis of the elements.

VERY IMPORTANT

If you are unable to attend the first session of the class, or if you have decided to drop the class, please notify the facilitator either by e-mail or telephone, ASAP so another person may take the class.

Thank you for your cooperation.