Physics 201 - Lecture 1

| 1. Physics > Ancorat Greek "nature" |
|---|
| (i) frelds, trees, plands, sley, woulds, WHAT/How WHEEN -> entire voicese. WHEEN |
| (ii) the indulying structure / meaning (iii) the indulying structure. The indulying structure / meaning The indulying |
| The nature of nature |
| in 1-1 Describtion. |

2 lathemerus on 1. - math is longurge of physics.

MASS -> (kg) Step 3: Let it evolve. 7 (5) TIME Let it Sheet up. TEMPERATURE -> (K) For Physics 201: Mat's it! Even Other Physical Docky con be expressed interns of these 4 basic quantities. SI, TE (m, bg, s, K) &

Force, Energy, velouts, acceleration, density.... - = ma (/25) (m/s2) (f) = 25.m/s, > 1 Newton
1 N $\frac{1}{\sqrt{2}} = \frac{mass}{\sqrt{2}} = \frac{mass}{m^3}$ $\int_{H_{20}}^{2} = 10^{6} \frac{1}{2} \frac{1}{n}^{2}$

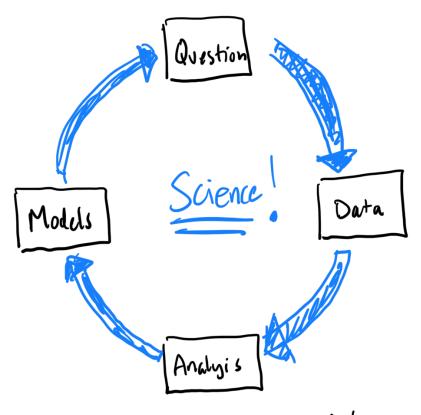
PHS = 13 × 106 ks/23

How do we do Science! Ask a question ?? Collect Data the labouts leadhet will dupp a Develop a (model

Mut can be used to preduce.

Tuetue explicants. F=mc² DX= Vit + = a+2 [Laws] Theories -> punely methemetral -) basiv + based on experient. un derlying Concepts. j- = ma a mi croscopil 1 of fourth's moesued newed () mer Theons of

Theory of Gard Rel.



Science is a methodology for speaking our beliefs!

