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| Topic | Notes |
| Timeline of the Big Bang | * Universe started as hot, dense ball – known as cosmic egg/primordial atom
	+ Protons, electrons & neutrons formed
* Dark ages – no stars, matter & atoms (gas)
* Hydrogen fusion 🡪 heavier elements 🡪 stars 🡪 galaxies
* Universe today is currently expanding
* Future Predictions:
	+ Universe expands 🡪stars die out 🡪 too cold for life
	+ Kaboom! Andromeda galaxy is eventually colliding with ours
	+ Gravity is going to collapse the universe
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| Lemaitre | * Universe is expanding
* Priest – work accepted
* He came up with the idea of the cosmic egg/primordial atom and that the universe is expanding
* Use red shift to provide evidence for the expansion of the universe
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| Hubble | * Universe was expanding
* Hubble constant (H=V/D) – find the rate at which the universe expands
* First to show existence of other galaxies
* Calculations incorrect, however formula right – not accepted
* Supported by Doppler effect (light – red shifts)
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| Wilson/PenziasCOBE- SmootBackground Radiation | * NASA research project ECHO – create longer transmissions of radio waves
* Stumbled upon background radiation
* To create the universe background radiation map through the cosmic background explorer
* When look at the background radiation map really looking at past and this shows there was radiation/heat left over from an explosion (KABOOM!!!)
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