

# PlanEx review & tips for the viewing of “Interstellar”

- ✓ Remember the physics civil war that is a big drag on our quest for “a theory of everything”:  
**Quantum Mechanics vs. General Relativity (or Gravity)**
  - ✓ This is why some have already named our yet to be discovered “theory of everything” a theory of **“Quantum Gravity”**
  - ✓ “Quantum gravity” would give us mastery of mass & gravity (and therefore, **negative mass & anti-gravity**) and space travel, potentially allowing us to set forth from Earth in huge, spinning, **cylindrical colony ships** constructed on our planet should we need to leave it.
  - ✓ So guess where we theoretically need to get data to reconcile QM and GR?...In **a black hole**, of course; an object that is both **a geometric singularity point in space (q.m.) and that is incredibly massive (g.r.)**
    - ✓ Speaking of **black holes**, don’t forget:
      - 1) the **time dilation (or shifting)** they can cause – a slowing of time for those near them relative to others far from the black hole (like those back on Earth).
      - 2) the theoretical possibility of **wormholes**, engineered portals on the “other end” of holes allowing instantaneous travel to distant places and/or times.
      - 3) that supermassive, spinning holes like Gargantua might not “spaghettify.”
  - ✓ Why do you think the movie’s makers chose the plant disease “Blight” as humanity’s nemesis **instead of “climate change”** (despite hinting at it anyway)?

Because using such a **divisive issue in the plot would kill ticket sales** by alienating people who see global warming as a non-existent, non-issue.
  - ✓ Remember our speculation that advanced beings may be able to perceive time as if it is a spatial dimension and then **visit “whens” also just like we go to “wheres”**; the main way in which we may be primitives is our limited perception of space and time as being separate when they are not but part of the same “fabric”!
- Other things to look out for:**
- You’ll see that all faith in NASA and space exploration has evaporated due to especially hard times on Earth.
  - Take note of the realistic (and sickeningly fast) rotation of the Endurance to create artificial gravity.
  - Be sure you understand the difference between Plans A & B, a crucial part of the story!***