

Mr. Schneider presents...

General Relativity Topics

- (Special relativity)
- Equivalence principle (special & general)
- Gravity bends light
- Gravity bends space-time so free fall motion becomes parabolic/elliptical
- How much is motion bent?
 - Dependence on mass producing gravity
 - Dependence on speed of motion
- Curvature of 3-D space (zero, positive, negative, gravity)
- Gravity slows time (e.g., gravitational red shift)
- Shortest path through space(-time) is a geodesic
- Newton's theory of gravity
- Einstein's theory of gravity
- Gravity's propagation speed