Review Poster: Physics

Create a poster for one of the scenarios below. The poster must include the sections outlined below.

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| Scenarios:  A 250 kg hot air balloon rises with an acceleration of 0.23 m/s/s for 18 seconds. The balloon’s volume is 243 cubic meters. After 18 seconds, the forces on the balloon are balanced for the next 20 seconds.    A 74 kg receiver catches a punt. He begins from rest and catches the 0.43 kg football that is travelling at 25 m/s when he catches it. The volume of the football is 1850 cm3. He accelerates at 9.4 m/s for 3 seconds before reaching his top speed. He continues at his top speed for 2 seconds before he is tackled with a net force of 31 Newtons.  Other: You may come up with a scenario BUT it MUST be pre-approved. | Sections:  \* Momentum: p = mv  \* Density: d = m/V  \* Forces: FNET = ma  \* xt, vt and xt graphs  \* Motion Diagram with quantitative information  Concept descriptions:  In each of the sections listed above, a short (3 to 6 sentences) narrative must be included that includes the definition of the concept and explains the concept in the context of the scenario. |

Sample Layouts:



