

| Topics | What students need to learn: | | |
|---|------------------------------|--|--|
| | Content | | Guidance |
| 5 Elastic collisions in two dimensions | 5.1 | Oblique impact of smooth elastic spheres and a smooth sphere with a fixed surface. Loss of kinetic energy due to impact. | Problems will only involve spheres with the same radius. Problems may be set in vector form. The spheres may be modelled as particles. |
| | 5.2 | Successive oblique impacts of a sphere with smooth plane surfaces. | The sphere may be modelled as particle. |