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|  Key Diagram |
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| Vocabulary |
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| axle | A rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with the axle. |
| axle holder | the component through which an axle fits and rotates. |
| chassis | the frame or base on which a vehicle is built. |
| friction | resistance which is encountered when two things rub together. |
| dowel | wooden rods used for making axles to hold **wheels -** circular object which forms a part of a machine. Usually a moving part. |
| vehicle | a thing used for transporting people or goods, such as a car or bus. |
| cab | the area of a vehicle where the driver sits. |
| assemble | to fit together separate component parts of a machine. |
| component | a small part of a larger whole (machine).  |
| mechanism | part of a machine that performs a certain job (function). |
| design | a plan or a drawing showing an object that will be made |
| evaluate | to form an opinion of something |
| purpose | the reason for which something is made. |
| user | a person who uses something |
| functional | being useful or practical |







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| Key Information |
| 1. | **Definition of a wheel –** a circular object which forms part of a machine. Usually a moving part.  |
| 2. | **Definition of an axle –** a rod or bar that runs through a hole in a wheel. |
| 2. | When you use an axle the wheel then spins in a **balanced** circle. (Wheels generally spin in a balanced circle around an axle like a bike) |
| 4. | The first wheels were likely made from wood or stone, depending on the materials available.  |
| 5. | Doorknobs, pizza cutters, pencil sharpeners and even electric fans all use wheels and axles.  |