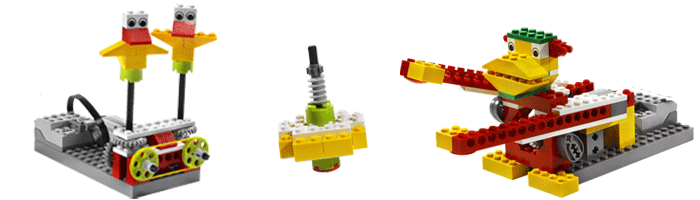
**Data Table** **Tip:** Set motor speed slow (and keep same). Watch the cams spin while you count.



left cams

right cams

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Cam Arrangement** | | **Observations** (sound and motion) | | | | (re-start count) |
| **Left Cams** (under left arm) | **Right Cams**  (under right arm) | 1st Count | 2nd Count | 3rd Count | 4th Count | 1st Count |
| C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams up-dn.png  **A**  (one cam up, one down) | C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams left-rt.png  (one cam forward,  one back) | (Example:)  **LEFT beat**  **(fast rhythm) (each arm moves opposite the other)** | **RIGHT beat** | **LEFT beat** | **RIGHT beat** | **LEFT beat** |
| **B**  (both cams up) | C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams down.png  (both cams down) |  |  |  |  |  |
| C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams up.png  **C**  (both cams up) | C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams left.png  (both cams back) |  |  |  |  |  |
| C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams up.png  **D**  (both cams up) | C:\Users\frieda.COFFEE\AppData\Local\Microsoft\Windows\INetCache\Content.Word\cams left-rt.png  (one cam forward,  one back) |  |  |  |  |  |

**Key Question:** What is the relationship between the cams and the rhythms?

**Challenge:** Make your own rhythms.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Cam Arrangements** | | **Observations** (sound and motion) | | | | (re-start count) |
| **Left Cams** | **Right Cams** | 1st Count | 2nd Count | 3rd Count | 4th Count | 1st Count |
| **E** |  |  |  |  |  |  |
| **F** |  |  |  |  |  |  |
| **G** |  |  |  |  |  |  |
| **H** |  |  |  |  |  |  |