**Arbeitsblatt – Senkrechter Wurf (Videoanalyse)**

**Aufgaben**

1. Analysiert den senkrechten Wurf der Kugel:

https://www.youtube.com/watch?v=jRtjlDZ746k

1. Tragt mindestens 10 Wertepaare für x und t in die folgende Tabelle ein:

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| Zeit in s |  |  |  |  |  |  |  |  |  |  |  |
| Ort in m |  |  |  |  |  |  |  |  |  |  |  |
| Geschw.in m/s |  |  |  |  |  |  |  |  |  |  |  |

**b)** Nutzt die Werte und zeichnet sowohl ein Orts-Zeit- als auch ein Geschwindigkeits-Zeit-Diagramm.

**Orts-Zeit-Diagramm des senkrechten Wurfes (nach oben)**

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Nutzt die Gleichungen und stellt eine passende auf:

(a = g = 9,81 m/s2)

**Geschwindigkeits-Zeit-Diagramm des senkrechten Wurfes (nach oben)**

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