Year 9 – Photosynthesis Learning Journey

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| Lesson | Oi! Remember this! |
| **1.) All food chains start with Photosynthesis.** |  |
|  | **Plants produce food using Photosynthesis (p/s)** |
| **2.) Structure of leaves.** |  |
|  | **Leaves are adapted to trap light and allow gaseous exchange for p/s.** |
| **3.) Testing leaves for Starch.** |  |
|  | **If plants complete p/s they will store Starch; Iodine goes Blue/Black from Brown.** |
| **4.) Testing variegated leaves for Starch** |  |
|  | **Variegated leaves lack chlorophyll in white parts; no starch produced here.** |
| **5.) Photosynthesis producing Oxygen** |  |
|  | **Oxygen is a by-product of p/s, turns bicarb indicator purple.** |
| **6, 7 & 8.) Photosynthesis Investigation.** |  |
|  | **Closer to the light source more Oxygen bubbles produced.** |
| **9.) Comparing Respiration and Photosynthesis.** |  |
|  | **Respiration and p/s are opposite reactions.** |
| **10.) Constructing Food Pyramids.** |  |
|  | **Food chains – pyramids, number of links = number of blocks and to scale.** |
| **11.) How Humans impact food chains.** |  |
|  | **Humans can impact food chains which then have further impacts.**  7 – Cells and Classification, Body Systems, Environment.  8 – Environment 2, Materials and Substances. |
| **12.)Synoptic Assessment** |  |