Lesson Plan Template

# Breakthrough Denver

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| **Getting Yourself Ready** | | | | |
| **Materials**: Writing utensil, notebook/3 ring binder, Scientific method VIP, photosynthesis VIP | | **Your Preparation**: Look at independent dependent variable sheets, research a conclusion | | **Agenda (w/times)**: Scientific method (10 minutes) Introduction to Photosynthesis (20 minutes) photosynthesis Skit (10 minutes) Photosynthesis worksheet (10 minutes) Homework Review (5 minutes)  Total minutes: 55 minutes |
| **Getting Your Students Ready** | | | | |
| \***Do Now**: Answer the question how do you think a conclusion closes out an experiment and why? (5 minutes) | | | | |
| **Objective**: YWBAT have a very detailed understanding of the scientific method and an introduction to photosynthesis | | | **Proving behavior**: *Students will explain the scientific method and photosynthesis* | |
| **Purpose**: Students will know the direction we will be going in the class | | | | |
| **Teaching** | | | | |
| Step 1: | Say: Does everybody understand the scientific method? Have students ask questions about SM  See: The process of the SM (VIP)  \*Do: Scientific method quiz (10-15 minutes) | | | |
| Step 2: | Say: What is photosynthesis? (turn off lights and act like there is no oxygen to give an example if photosynthesis was not possible  See: Photosynthesis VIP  \*Do: Break students up into groups and discuss photosynthesis (15-20) | | | |
| Step 3: | Say: Give the basics of photosynthesis  See: Have students demonstrate different aspects of the process  \*Do: Students make skits of photosynthesis (12-15 minutes) | | | |
| Step 4: | Say: Photosynthesis worksheet  See: N/a  \*Do: Students do Photosynthesis worksheet (5- varies on time) | | | |
| Step 5: | Say:  See:  \*Do: | | | |
| Step 6: | Say:  See:  \*Do: | | | |
| **Practice** | | | | |
| \***Structured Practice** (3-4 additional examples led by teacher with gradually quickening pace, helping students approach automaticity by manipulating time, materials, and group size) | | | | |
| Time:  Materials:  Group Size: | Example 1: Group led discussion on photosynthesis | | | |
| Time:  Materials:  Group Size: | Example 2: students create their own photosynthesis skits | | | |
| Time:  Materials:  Group Size: | Example 3 N/A | | | |
| Time:  Materials:  Group Size: | Example 4 N/A | | | |
| \***Guided Practice** (the proving behavior of the objective monitored by the teacher) | | | | |
| Assignment: (from proving behavior) Photosynthesis worksheet | | | Criteria for Mastery: students can’t leave until they state one fact about photosynthesis | |
| Independent Practice (Homework) | | | | |
| Explain Homework: Explain photosynthesis to a person at home, write down Cornell notes about response. | | | | |
| **Closure** | | | | |
| Explain Closure:  How Photosynthesis is essential for life on earth. | | | | |

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| **VIP** | | |
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