Teacher-ready Lesson Plan Template (with step-by-step teacher script)

Use this template to create a lesson a teacher can deliver immediately. Below is the blank template explained step-by-step, and a filled example for a Grade 7 lesson on photosynthesis. Tell me your topic, grade, and time allotment and I will customize it for you.

Lesson Template (fill in each section)

1. **Lesson Title**

   Concise, specific title describing the main focus.

2. **Grade / Age**

   Indicate intended grade or age range.

3. **Lesson Duration**

   Total minutes and rough timing for each segment (warm-up, instruction, practice, assessment).

4. **Standards / Learning Goals**

   Short statement of what students should know or be able to do by lesson end. Use measurable verbs (explain, identify, solve, compare).

5. **Essential Question**

   A guiding question that focuses the lesson and can be revisited for assessment.

6. **Materials**

   List all teacher and student materials, tech, handouts, visuals, and prep steps.

7. **Vocabulary**

   New or key words students must understand.

8. **Warm-up / Hook (5-10 minutes)**

   Short activity or question to activate prior knowledge and engage students. Include exact prompt and teacher lines.

9. **Direct Instruction (10-20 minutes)**

   Step-by-step teacher script for presenting new content. Include demonstrations, models, and checks for understanding with specific questions to ask.

10. **Guided Practice (10-20 minutes)**

    Teacher-led practice with students. Provide tasks, grouping strategy, scaffolds, and formative checks. Include sample student responses and teacher feedback lines.

11. **Independent Practice / Application (10-20 minutes)**

    Tasks students complete on their own to demonstrate learning. Include clear success criteria and time expectations.

12. **Assessment / Exit Ticket (5 minutes)**

    Short assessment aligned to objectives (quiz question, quick write, problem). Include rubric or correct answer and common misconceptions to look for.

13. **Differentiation**

    Adjustments for students who need support and extensions for advanced learners. Include 2-3 concrete strategies.

14. **Closure (3-5 minutes)**

    Teacher script to summarize the lesson, restate the objective, and link to next lesson.

15. **Homework / Follow-up**

    Short assignment that reinforces the lesson or prepares for the next lesson.

16. **Reflection Notes for Teacher**

    Space to record how the lesson went and changes for next time.

Filled Example: Grade 7 — Photosynthesis (50 minutes)

Use this as a model you can adapt to your topic.

- **Lesson Title**: How Plants Make Food - Introduction to Photosynthesis
- **Grade / Age**: Grade 7 (12-13 years)
- **Duration**: 50 minutes (5 warm-up, 15 direct instruction, 15 guided practice, 10 independent practice, 5 exit ticket)
- **Standards / Learning Goals**: Students will be able to explain the basic process of photosynthesis and write the overall chemical equation in words and symbols.
- **Essential Question**: How do plants make their own food, and why is that process important for other living things?
- **Materials**: Diagram of a leaf, whiteboard, projector, handout with fill-in-the-blank photosynthesis equation, colored markers, quick lab materials for a simple leaf starch test (optional)
- **Vocabulary**: photosynthesis, chlorophyll, carbon dioxide, oxygen, glucose, reactants, products

Warm-up / Hook (5 minutes)

Display two images: a green leaf and a hungry rabbit. Ask: 'Where does the rabbit get its energy? Where does the leaf get its energy?' Give students 1 minute to discuss with a partner then call on 2 pairs to share. Teacher line: 'Today we will learn how plants make the energy that supports animals.'

Direct Instruction (15 minutes)

1. Show a simple diagram of a leaf and point to the green chlorophyll. Say: 'Chlorophyll captures

sunlight.'
2. Write the photosynthesis equation on the board in words: 'carbon dioxide + water + light energy -> glucose + oxygen' and then show symbolic equation. Explain each term briefly.
3. Check for understanding: Ask 'Which of these are reactants? Which are products?' Wait for thumbs up/down and call on students who show understanding or confusion.
4. Use a 1-minute mini-demonstration or animation showing carbon dioxide entering stomata and sunlight driving the reaction.

Guided Practice (15 minutes)

Hand out a short worksheet with a partially labeled diagram and three short questions:

- Label reactants and products on the diagram.
- Fill in blanks in the sentence version of the equation.
- Short answer: 'Why is photosynthesis important to animals?'

Students work in pairs. Teacher circulates, reads answers aloud when needed, and uses prompting questions: 'What do plants need to capture light? How does oxygen get out of the leaf?'

Independent Practice (10 minutes)

Students individually write a 3-sentence explanation of photosynthesis using the vocabulary words. Success criteria: mentions sunlight, carbon dioxide or water, and product (glucose or oxygen).

Assessment / Exit Ticket (5 minutes)

Give this exit ticket: 'Write the photosynthesis equation in words and name one reason photosynthesis is important for living things.' Collect responses as students leave.

Differentiation

- Support: Provide a sentence starter sheet and allow drawing the process instead of full sentences.
- Extension: Ask advanced students to balance the symbolic chemical equation or research and report one factor that affects rate of photosynthesis.

Closure (2 minutes)

Teacher script: 'Today we learned that plants use light, water, and carbon dioxide to make sugar and oxygen. Tomorrow we'll test what happens if a plant doesn't get light.'

Homework / Follow-up

Short reading paragraph and two comprehension questions, or observe a plant at home and note where new leaves appear.

Reflection Notes for Teacher

Record which questions students missed on the exit ticket, whether the warm-up engaged students, and which scaffolds helped learners.

Ready-to-use Teacher Script Tips

- Write exact phrasing for essential checks for understanding, e.g., 'Who can restate that in one sentence?'
- Plan for student answers that show common misconceptions and write corrective prompts ahead of time.
- Time each section loosely and set visible timers if possible to keep pacing.

If you give me the lesson topic, grade level, and length of the class, I will produce a customized, fully scripted lesson plan using this template that you can print or deliver in class.