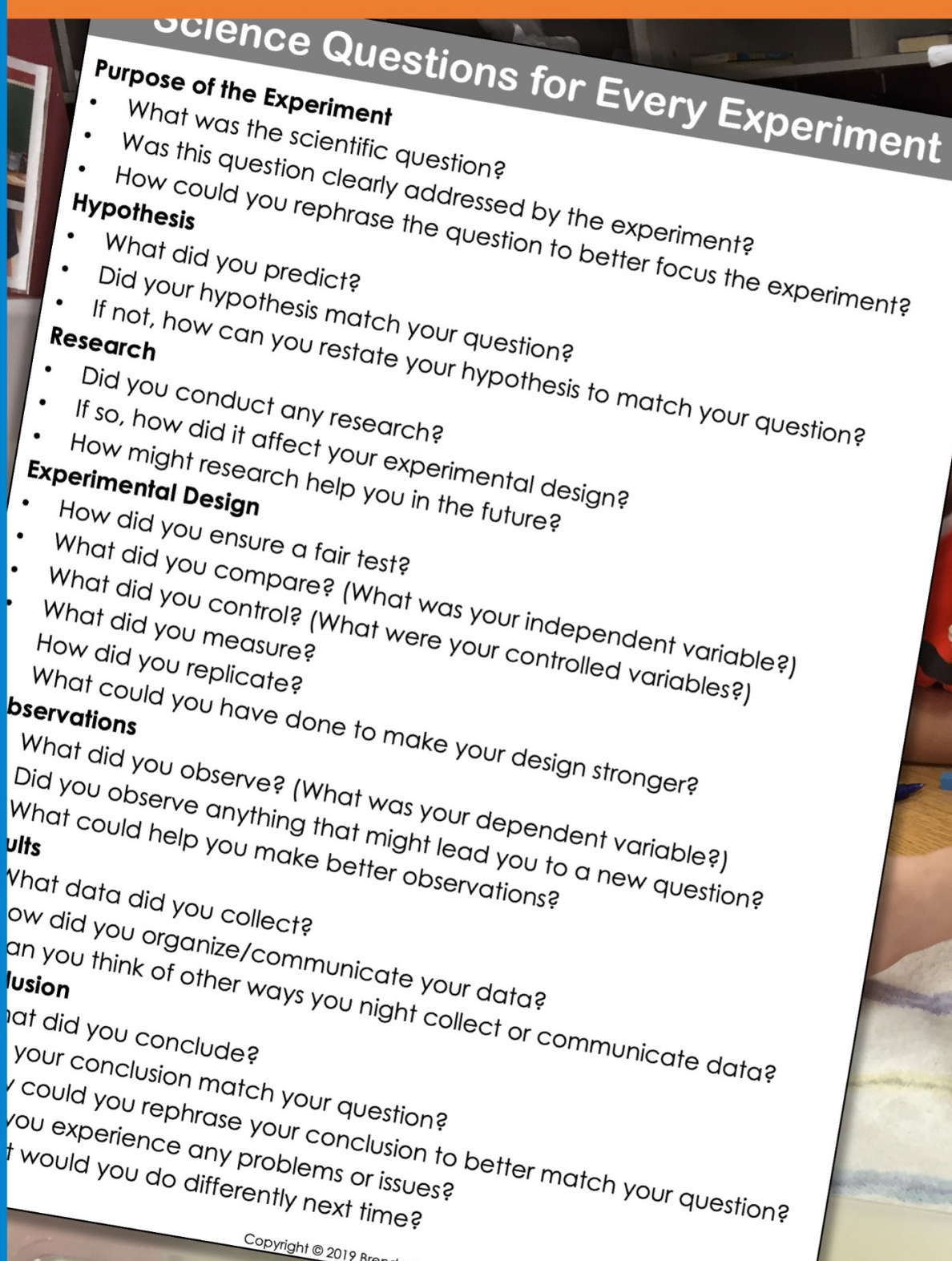


SCIENCE QUESTIONS



ONE-PAGE TEACHER GUIDE

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Questions for Experiments

Purpose of the Experiment

- What was the testable question?
- Was this question clearly addressed by the experiment?
- How could you rephrase the question to better focus the experiment?

Hypothesis

- What did you predict?
- Did your hypothesis match your question?
- If not, how can you restate your hypothesis to match your question?

Research

- Did you conduct any research?
- If so, how did it affect your experimental design?
- How might research help you in the future?

Experimental Design

- How did you ensure a fair test?
- What did you compare? (What was your independent variable?)
- What did you control? (What were your controlled variables?)
- What did you measure?
- How did you replicate?
- What could you have done to make your design stronger?

Observations

- What did you observe? (What was your dependent variable?)
- Did you observe anything that might lead you to a new question?
- What could help you make better observations?

Results

- What data did you collect?
- How did you organize/communicate your data?
- Can you think of other ways you might collect or communicate data?

Conclusion

- What did you conclude?
- Did your conclusion match your question?
- How could you rephrase your conclusion to better match your question?
- Did you experience any problems or issues?
- What would you do differently next time?