



AZSEF
ARIZONA SCIENCE & ENGINEERING FAIR

ELEMENTARY AND JUNIOR DIVISIONS

RESEARCH PLAN FOR GRADES 5–8 SCIENCE & ENGINEERING PROJECTS

Student's Name: _____ Grade: 5th ☐ 6th ☐ 7th ☐ 8th ☐

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Teacher's Name: _____

School: _____

Project Title: _____

SECTION 1: WHAT IS YOUR PROJECT ABOUT? (YOUR RATIONALE)

EXPLAIN WHY YOU CHOSE THIS TOPIC. YOU CAN INCLUDE:

- What made you curious about this?
- What did you learn when reading or talking to others about your topic?
- Why is this topic important? (Does it help people, animals, or the Earth?)

SECTION 2: WHAT IS YOUR QUESTION OR GOAL?

CHOOSE ONE THAT FITS YOUR PROJECT TYPE

- If you're doing a science investigation, what is your question or hypothesis? (What do you think will happen, and why?)
- If you're building or designing a prototype/model, what is your goal or what are you trying to improve?
- What do you expect to find out?

SECTION 3: HOW WILL YOU DO YOUR PROJECT?

MATERIALS LIST

What supplies will you need?

SECTION 3: HOW WILL YOU DO YOUR PROJECT?

STEPS/PROCEDURES

Tell what you will do, step by step. Include how you will collect data. (If someone is helping you, write what you will do and what they will do.)

SAFETY PLAN

Are there any tools or materials that could be risky? How will you stay safe?

DATA ANALYSIS

After collecting and reviewing the data, how will you organize it so others can understand the results? (Will you make a chart, graph, pictures, or compare amounts?)

SECTION 4: WHAT DID YOU USE TO LEARN ABOUT YOUR TOPIC? (BIBLIOGRAPHY)

LIST AT LEAST 2–3 BOOKS, SPECIFIC WEBSITES, OR PEOPLE YOU LEARNED FROM.