

Title

Grade Level:

Total Time Required: (Identify the number of class sessions and minutes)

Prepared by:

Lesson Objectives: (List any 3 to 5 that directly apply to the lesson)

Students will be able to:

Indiana Standards: (Identify 2-3 content/subject-specific standards and 3-5 design process-specific standards)

Content specific

The Design Process

Concepts and Vocabulary

Science Concepts / Vocabulary: (List and define relevant science/engineering/mathematical terms will use or need to know)

<i>Term</i>	<i>Defined by a scientist or engineer</i>	<i>Defined by a 5th grade student</i>

Equipment, Materials and Tools

List the quantities of all materials and equipment needed:

<i>Tools</i>	<i>Materials</i>		

Special Materials Notes and Comments

Lesson Plan #1
Guiding Question –

Time:

Procedures / Steps: (Include and/or number the steps or procedures to follow. Note key questions for students to consider / discuss)

Lesson Plan #2
Guiding Question –

Time:

Procedures / Steps: (Include and/or number the steps or procedures to follow. Note key questions for students to consider / discuss)

Lesson Plan #3
Design Challenge –

Time:

Procedures / Steps: (Include and/or number the steps or procedures to follow. Note key questions for students to consider / discuss)

Preparation:

Lesson Plan #4
Design Challenge – *What feedback do you get on your design?*

Time:

Procedures / Steps: (Include and/or number the steps or procedures to follow. Note key questions for students to consider / discuss)

Assessment

The following are possible sources of formative and summative assessment:

Lesson Extensions and Resources

Activity Extensions:

Web Resources:

Other Resources:

Design Activity

Student Resource

