Teacher schedule

**Day One: approximately 2 hours**

*Pretest (15 minutes)* Read aloud.

Test will involve science, math, Nature of Engineering

*Introduction (45 minutes)*

15 Read book and discuss, show map. Introduce Engineering Chart.

15 Play game. Quickly discuss different culture and importance of different perspectives-connect to group work and engineering.

15 Give students Design Challenge Sheet. Read aloud and answer any questions.

*First Design (55 minutes)*

15 Individual drawing of galimoto.

5 Within group discussion to determine important features to incorporate in design.

20 First group design.

10 Test design (ramps: 3 books, whiteboard, meter stick).

**Day Two: approximately one hour 45 minutes**

20 Review previous days’ engineering process. Discuss friction, mass and data collection.

20 Redesign.

10 Test design.

20 Develop argument with claim, evidence, justification. Write argument on chart paper.

10 Gallery Walk. Present arguments.

10 Debrief activity.

15 Posttest.