

Lesson 13 Building a small car V: Completing the car

Objectives: Students will complete their cars and reflect on the process in their design journals.

Materials: Students' nearly completed cars, tape, notebooks, all materials for completing previous lessons for students who missed a class.

Sponge: Handout: Suggestions for journal reflections

Initial

Discussion: Explain what still needs to be done to complete the cars: for students who are on schedule, all they need to do is to tape down the wires from the motor. Wire should go under back axle and be taped securely to the back of the car. Students need to be sure not to wiggle the soldered connections.

Discuss potential problems:

- ∞ Car goes in a circle – adjust bolts holding gearbox, front axle
- ∞ Wheels wobble – adjust screws attaching wheels
- ∞ Front wheels are loose – glue to axle

Discuss criteria for a good notebook and possible rewards for notebook entries.



Project: Students complete any unfinished steps for cars. Students who are finished will help those who are not.

Vocabulary:

Final

Discussion: Show off cars. Take pictures of each car with student.

Home

Connection: Show cars to families and discuss process of building car.