

Name _____

Planner Challenge Answer Key

One correct solution is shown below. Other valid solutions may exist.

- Opening Welcome
Time: 1:00 p.m. to 1:30 p.m.
Room: Main Hall
- Robot Build Session
Time: 1:30 p.m. to 2:30 p.m.
Room: Tech Lab
- Break Time
Time: 2:30 p.m. to 3:00 p.m.
Room: Main Hall
- Coding Workshop
Time: 3:00 p.m. to 3:30 p.m.
Room: Tech Lab
- Drone Demo
Time: 3:30 p.m. to 4:00 p.m.
Room: Main Hall
- Competition Round
Time: 4:00 p.m. to 4:30 p.m.
Room: Tech Lab
- Awards Ceremony
Time: 4:30 p.m. to 5:00 p.m.
Room: Main Hall

Teacher's Guide

- **Skill Focus:** Students interpret **time constraints**, **room limitations**, and **event order rules** to construct a logical schedule.
- **Differentiation:**
 - Provide a pre filled timeline with only start times for students who need support.
 - Challenge advanced students to find a second valid solution and explain how it still follows all rules.
- **Engagement Tips:**
 - Let students work in planning teams and compare final schedules.
 - Have students verbally justify why each activity could not be moved earlier or later.
- **Extension Ideas:**
 - Ask students to add one new activity and write two new scheduling rules.
 - Have students create their own event planning challenge for a partner to solve.