



## Keys for Classroom Success

### 1. Review slides and physically test code on robots prior to class

Before teaching material, instructors should be familiar with learning objectives and have experience troubleshooting robot issues by trying to program physical robots

### 2. Start classes on time

Regardless if one or six students are in class. We should not be delaying class start for students who are late. Invite students waiting in the lobby into your classroom.

### 3. Start the independent project early - within first 15 minutes of class

Not completing the daily independent project is the most effective way to lose a students' motivation. Manage your lesson so we leave enough time to complete the project.

### 4. Troubleshooting - ask for help after 2 minutes

If you cannot figure out the issue in 2 minutes, ask manager for help. You will frustrate students and jeopardize students finishing the daily challenge if you waste time trying to figure things out on your own

### 5. Test for understanding - review material for entire class when needed

Ask questions to test student comprehension and if students are lost, stop the class and review the material. It's better that students understand the material rather than completing all the learning objectives/projects

### 6. Divide attention amongst all students in classroom

Avoid focusing on one or two students vs. equally supporting students in the classroom

### 7. Start wrapping up 5 minutes before class ends

Announce time to pack up, run code for the last time, ask students to save their code, shut down their robots and students to place them on the shelf

### 8. Reporting Classroom Incidents

if an incident happens in the classroom, especially if it leads to not completing the daily project, notify parent & manager after class or ask manager to communicate if you are busy starting the next class. We are hearing issues in the classroom from parents before we hear it from our managers/instructors.



## Keys for Classroom Success

### 9. Student Misbehaviour

Refer to the classroom management strategies in SharePoint that guides how to manage student behaviour

### 10. Maintenance System

if a robot is not working, remove from circulation by placing in the Maintenance bin. At the end of day, a message in Slack under the appropriate #maintenance channel will help maintenance identify the issue(s).

### 11. Curriculum Feedback

The only way to drive changes and improve our curriculum is to bring it to the attention of the curriculum developer(s). Feedback for curriculum-related issues can be entered in the #curriculum Slack channel.

### 12. Programming Best Practices

Students use the same robot, follow standardized motor & sensor wiring, include robot ID in a comment, always save code regardless if required or not (build habit), do not simply give code for students to copy rather ask questions to get students to start thinking