

Trainer Implementation Guide: Crash Science in the Classroom + PocketLab

For District Leaders: How to Train Your Teachers

You attended the IIHS + PocketLab Train-the-Trainer event. Now it's time to bring that energy and expertise back to your district. This guide will help you efficiently roll out Crash Science in the Classroom and PocketLab tools to your science teaching staff.

1. Prepare Your Training Sessions

- **Audience:** All middle and high school science teachers.
 - **Format:** Host half- or full-day PD sessions using the format of the Train-the-Trainer day.
 - **Materials:** Use your provided class set of PocketLab G-Force cars, Voyager sensors, and access to online resources. Reach out to us if you need to order more PocketLab sensors.
 - **Print a teacher training packet from the supplied link for each teacher attending your training Use (OR EDIT) the supplied slide deck to walk your teachers through the program**
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2. Account Setup During your sessions, have teachers create their accounts to access the materials:

- Create Crash Science accounts at <https://classroom.iihs.org>
 - Create Notebook accounts at <https://app.thepocketlab.com/auth/sign-in>
 - Sign up for Virtual Field Trip in December:
<https://www.thepocketlab.com/events/crash-test-virtual-fieldtrip-2025>
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3. Demo and Hands-On Activities Introduce and facilitate the activities from the materials:

- [Crash Cushion Design \(with G-Force sensor data\)](#)
 - [Match Graphing using the Voyager Rangefinder \(Voyager sensor data\)](#)
 - [Marbles activity: Momentum Bashing 1](#)
 - [Twirling penny](#)
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4. Measure Impact Track success using:

Number of teachers trained, number of students who participated and engaged with the materials, sample student projects or data trials. Plus any Teacher/student feedback about the program or tools provided.

Final Tips

- Encourage cross-curricular integration (science + engineering + safety education).
- PocketLab is available for additional Sensor or Notebook training- just reach out!
- Schedule follow-up PLCs or coaching check-ins.
- Share photos and stories from classrooms to celebrate success and encourage participation.
(Email: scott.kiessig@thepocketlab.com, Social Media if/when appropriate, in Google Chat with your IIHS cohort)