

Learn to do the projects yourself (TI-Innovator Hub)

Make sure that you have a TI-Innovator Hub to practice with. You can borrow equipment to do TI-Innovator Hub and Rover STEM projects with your students. Go to www.TIstemProjects.com. Click on the Get Started Now button. Then fill out the form to begin the conversation with the TI STEM team.

We recommend the following steps to prepare for

- Digital Mood Ring Project [link](#)
- Smart Irrigation Project [link](#)
- Pet Car Alarm Project [link](#)
- Four-Chambered Heart Project [link](#)
- Making Music with Code Project [link](#)
- Some Like it Tepid Project [link](#)

Step 1: 10 Minutes of Code for the TI-Innovator Unit 1 Getting Started with the TI-Innovator Hub [link](#)

These are step-by-step instructions that will give you a foundation for creating, running and editing TI-Basic programs with the TI-Innovator Hub.

Note: On the Ten Minutes of Code web page click on the Unit 1 headline to open the lessons in the unit.

TI-Nspire CX

10 Minutes of Code
TI-Innovator™ Hub and TI-Innovator™ Rover

10 Minutes of Code: TI-Nspire™ CX Technology & TI-Innovator™ Technology

Short, easy-to-teach activities design to be completed in order, using TI-Nspire™ CX and TI-Innovator™ technology.

[Watch video »](#)

[Click to open lesson.](#)

[Unit 1: Getting Started with TI-Innovator™ Hub](#)

Skill Builder 1 Your First Program [Download Teacher/Student Docs »](#)

Step 2

Setting up the LIGHT Program:
Your first program will tell the TI-Innovator Hub to turn on the red LIGHT (LED) for 5 seconds.

1. To begin writing a new program, open a new document or insert a page in the current document (ctrl+doc), and select **Add Program Editor**. Select **New**.
2. Type a name for the program (we use the name light1 here), and press **enter**.

[Click to move through the lesson.](#)

[« First](#) [« Step 1](#) [Step 3 »](#) [Last »](#)

Skill Builder 1 | Skill Builder 2 | Skill Builder 3 | Application

TI-Nspire

Step 2: Digital Mood Ring Project

We have found this to be a great first project. The topic is engaging, and the set-up is not intimidating.

You will cover foundational concepts of programming and of feedback and control systems. After doing this project both adults and students say that the more advanced projects no longer look overwhelming to them.

Make sure to **download the Digital Mood Ring Teacher document** with example programs at this [link](#).

We highly recommend a set of step-by-step YouTube videos that we created based on workshops with teachers. See the videos at this [link](#).

Step 3: You are now ready to do the TI-Innovator Hub projects.

Follow the links above to the specific projects.

Make sure to download the teacher materials on each project page.

See other projects at www.TIstemProjects.com.

Contact stem-team@ti.com with questions or comments.