



ESmartlz



Space settlers on Orion

Agenda

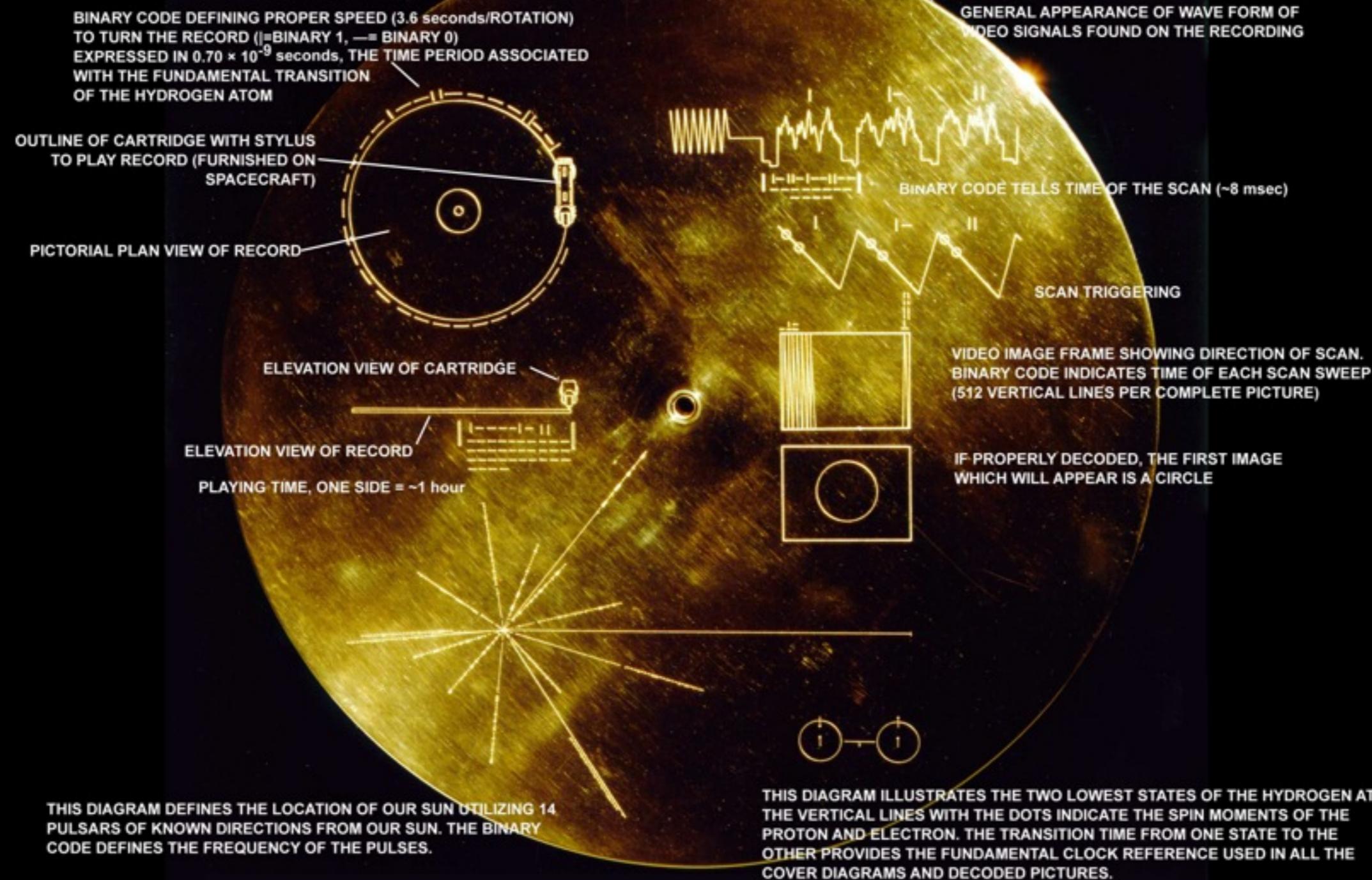
- Theory
 - Astronomy
 - Orion
- **ESMartlz**
 - The history
 - Landing on **ESMartlz**

Agenda

- Lego Mindstorms EV3 Programming
 - Motors
 - Sounds & Display
- Mission 1
- How to get more points?

EXPLANATION OF RECORDING COVER DIAGRAM

THE DIAGRAMS BELOW
DEFINE THE VIDEO PORTION OF THE RECORDING



Astronomy (15')



Fundamentals

- What is your knowledge about the sky?
- Do you know the name of 3 stars?
- What is a Constellation?
- Do you know a Space Mission?

Orion

[http://en.wikipedia.org/wiki/Orion_\(constellation\)](http://en.wikipedia.org/wiki/Orion_(constellation))

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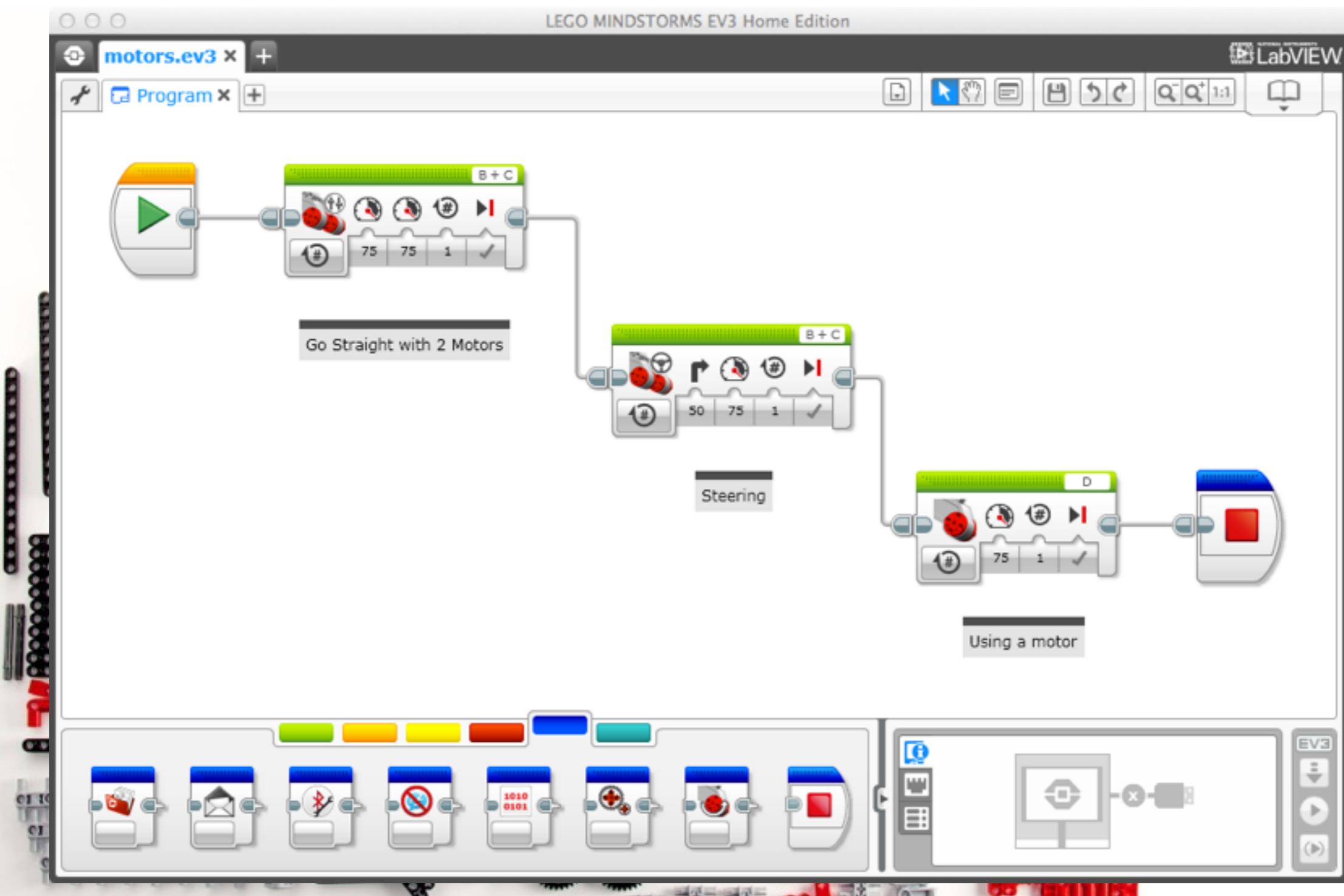




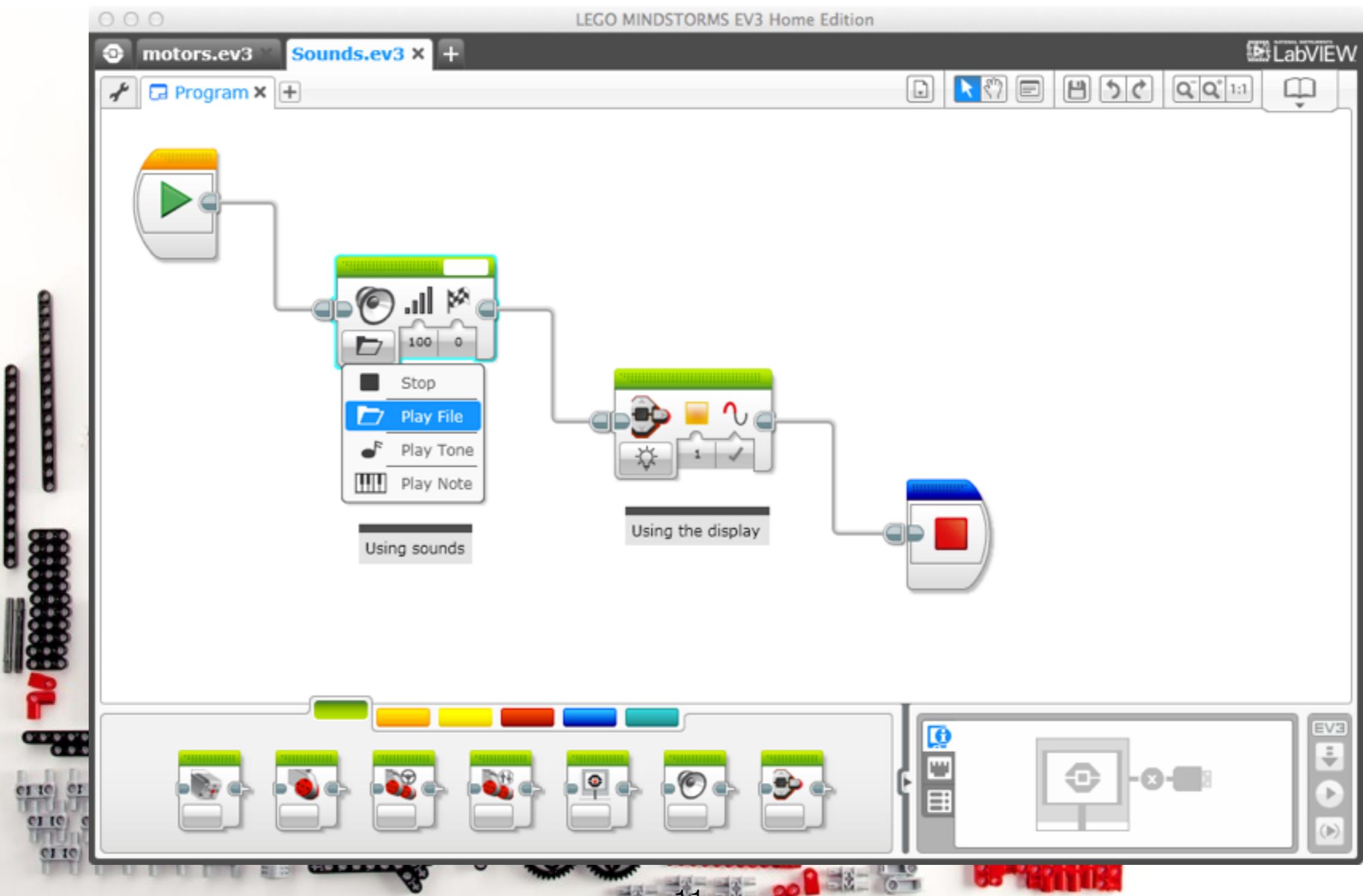
A complete
NXT-G Course.



Using Motors



Using Sounds



ESmartIz // Mission 1

- Team 1:
 - Create a Robot Explorer
 - Navigation: 2 Motors
 - Design the map to explore the area
 - Develop a program for the mine
 - Sounds? Lights?

ESmartlz // Mission 1

- Team 2:
 - Create a Mineral mine
 - Develop a program to move your vehicle from Space colony to the mine.
 - Add the program to return home

How to get more points?

- Team work: +25
- Participate in class: +15
- Innovate: +30
- Speak in english: + 20
- Build your Robot / Mine: +10
- Program your Robot / Mine: +15
- Inappropriate behavior: -20

