

“What More Can I Do With My Talented STEM Students?”

IMSA Professional Development Day
February 28, 2014

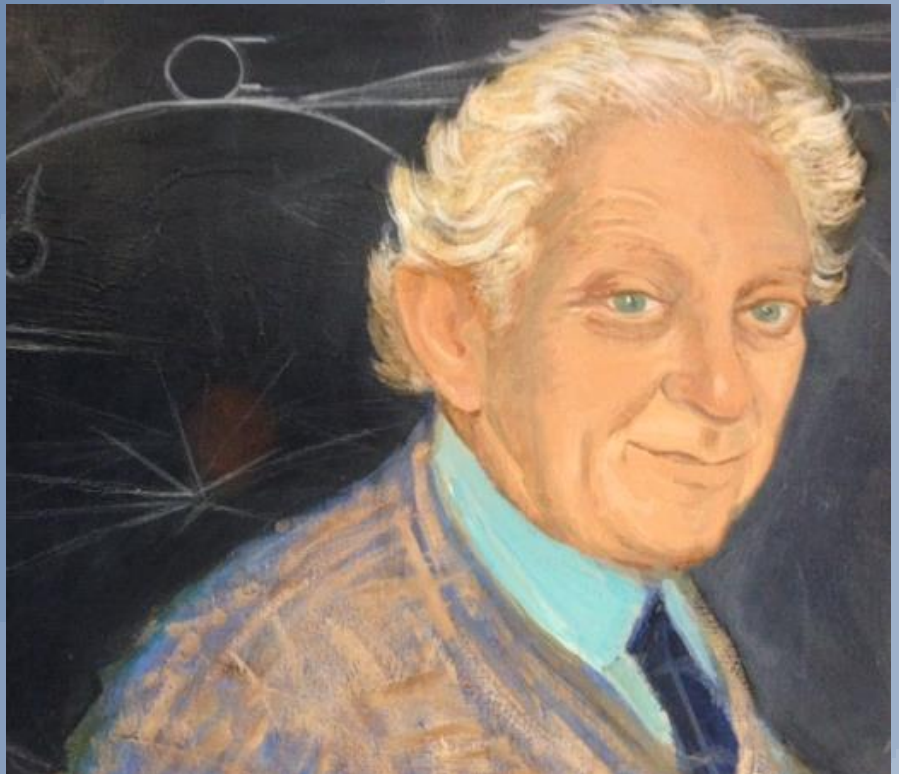
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What does Motivated & Talented Mean?

“There are likely to be those few who create new intellectual worlds, cure a dreaded human ailment or in some other way significantly influence life on our planet. Our philosophy will be to treat our charges as if each one is capable of the extraordinary achievement.”

Dr. Leon Lederman



Proposed Agenda

Tell us about your kids:

- What does “motivated & talented” mean to you?
- What’s happening that should not? What’s not happening that should?
- What is needed to enrich their learning experience?
- We’d like to share what IMSA offers.
- We’d like you to share your insights & recommendations. Let’s compare notes!

What Does IMSA offer?: Extension Services

I. Summer@IMSA

- Day Programs (30 hours/week)
- Residential (Middle-High School) Experience

II. After School Programming (IMSA Fusion)

- ii. For talented and motivated upper elementary and middle school students
- iii. School provides teachers, IMSA provides curriculum and professional development
- iv. Application is live now! [Sign up](#)

Extension Services...continued

III. Kid's Teaching Kids" (IMSA Allies)

- ▣ After-school "Kid's Teaching Kid's" model
- ▣ 1-2 days/week. STEM and Leadership
- ▣ Service Hours

IV. Funshops

- ▣ Elementary level hands-on Saturday workshops

V. Online Learning

- ▣ **RISE: Research, Inquiry Skills & Experimentation**
 - ▣ Other IMSA courses soon to come, ranging from Chemistry to Geometry)

VI. MOOCS (e.g. MIT, CMU)

PROMISE (Providing Opportunities for Mathematics and Science Enrichment)

Goals of the PROMISE program:

Serve underrepresented and economically disadvantaged students who have talent and interest in mathematics and science

We believe we must address the challenges of underrepresented and economically disadvantaged students through contact and intervention in the form of academic enrichment programming early in students' educational experience

- PROMISE - Early Involvement Program (EIP) 9th grade
- PROMISE - Leading Students 2 Success (LS2S) 5th -6th grade
- PROMISE - Summer Enrichment for Academics in Mathematics and Science (SEAMS) rising 9th graders

Innovation & Entrepreneurship

I. IMSA TALENT

- A. Summer Camp
- B. Monday Night Live
- C. Power Pitch

II. IMSA Energy Center

- A. Energy Topics & Careers Workshop/Fall 2014
- B. Energy Club

Innovation & Entrepreneurship

III. CoolHub

- A. STEM Online Project Collaboration Platform
- B. Mentor Matching Engine (MME)

IV. Extracurricular Activities

- A. Robotics
- B. Aviation Explorer Post



We've talked a lot... Let's compare notes!

Questions & Wonderings?

- Insights?
- Recommendations?

