

Opportunities for the Future • Saturday, June 29, 2019

Detailed session descriptions are available at www.ctd.northwestern.edu/family-conference.

PARENT SESSIONS

Session 1 • 1 p.m. – 2:45 p.m.	Session 2 • 3 p.m. – 4:45 p.m.
<p>KEYNOTE</p> <p>Tackling Obstacles So Students Reach to Achieve —Emily Mofield, EdD</p>	How Parents of Mathematically Gifted Students Can Nurture a Passion for Mathematics—Ed Zaccaro
	Gifted ≠ Perfect: Why Teaching Gifted Children the Skills of Imperfection Will Help Them Thrive—Jessica Rohlfing Pryor, PhD
	Tackling Obstacles So Students Reach to Achieve II —Emily Mofield, EdD

STUDENT SESSIONS Grades 9 – 12

Session 1 • 1 p.m. – 2:45 p.m.	Session 2 • 3 p.m. – 4:45 p.m.
Renewable Energy at Your Fingertips	Exploring the Universe with Supercomputers
The Mazzocchio in Perspective	From the Horse's Mouth: College Students Give you the Scoop on Campus Life
Mathematical Modeling in Conservation Ecology: Population Viability Analysis	NetLogo: Studying complex systems through developing computational models

Grades 7 – 8

Session 1 • 1 p.m. – 2:45 p.m.	Session 2 • 3 p.m. – 4:45 p.m.
Exploring Virtual Universes	Making a Functional Solar Cell from Scratch
Seeing Nano in Daily Life: From Sticky Post-It Notes to Never Wet Shoes	Powers of Ten: The Artist and the Architect, learning from Ray and Charles Eames
NetLogo: Understanding the World Around Us Through Developing Computational Models	Disease Spread, Predicting Epidemics and Finding Patient Zero

Grades 4 – 6

Full Afternoon Session • 1 p.m. – 4:45 p.m.
The Science in Magic
Cracking the Code: The Art and Science of Cryptography
Chemistry Magic: Fascinating Formulas and Explosive Reactions
Sole to Sole: A Breakdown of Shoe Design and Materials
The Poetry of Architectural Space
Brainy Behaviors

Age 4 – Grade 3

Hands-on architecture and construction activities, modeled on CTD's Summer Leapfrog-Spark Program. Parents attending the 1 p.m. keynote address may drop off children at the activity site at 12:30 p.m. after they have registered their families in the lobby of the Technological Institute.