

A group of diverse students are walking along a brick-paved path in a sun-dappled, tree-lined campus setting. The students are wearing lanyards, suggesting they are part of a program. The background is filled with large, leafy trees and a well-manicured hedge.

# WELCOME!

*¡BIENVENIDOS!*

**DukeTiP**

Duke University Talent Identification Program





# WHAT IS DUKE TIP?



1. Non-profit organization providing identification and support services for the academically talented
2. Advanced learning opportunities and resources
3. Since 1980, nearly 3 million participants







Talent alone won't make you a success. Neither will being in the right place at the right time, unless you are ready. The most important question is:  
'Are you ready?'

*—Johnny Carson*



# Facts About Advanced Students:

- Support makes a difference.
- Early high performance in a specific domain predicts later accomplishments in that area.
- Frequently under challenged and less likely to make strong yearly growth.
- Grouping students by age assumes all same-age students have the same learning needs.







# COLLABORATION





How?



Motivate and Encourage


Duke TIP's

# Talent Search Model

Educational Programs and Resources

Identify, Enroll, and Assess





# Where do we begin?

## 4th–6th Grade Talent Search



# 7th Grade Talent Search

[tip.duke.edu/7enroll](https://tip.duke.edu/7enroll)

Duke **TiP**





Eligibility is an honor!



A student with long dark hair, wearing red safety goggles and blue nitrile gloves, is smiling and holding up their right hand. They are in a science laboratory setting, with a white plastic tray and a blue folder visible in the foreground. The background is slightly blurred, showing shelves and other lab equipment.

Current seventh grader (or a current eighth grader who skipped seventh grade)

At or above the 95th percentile on one qualifying subtest

Visit TIP's website for accepted tests and scores: [tip.duke.edu/7qualify](http://tip.duke.edu/7qualify) or [tip.duke.edu/456qualify](http://tip.duke.edu/456qualify)



# What are the eligibility options?





# ELIGIBILITY OPTIONS

Standardized Achievement  
and Abilities Test (MAP)

State-Specific Test (STAAR)

IQ Test (CogAT, RIAS, WISC)

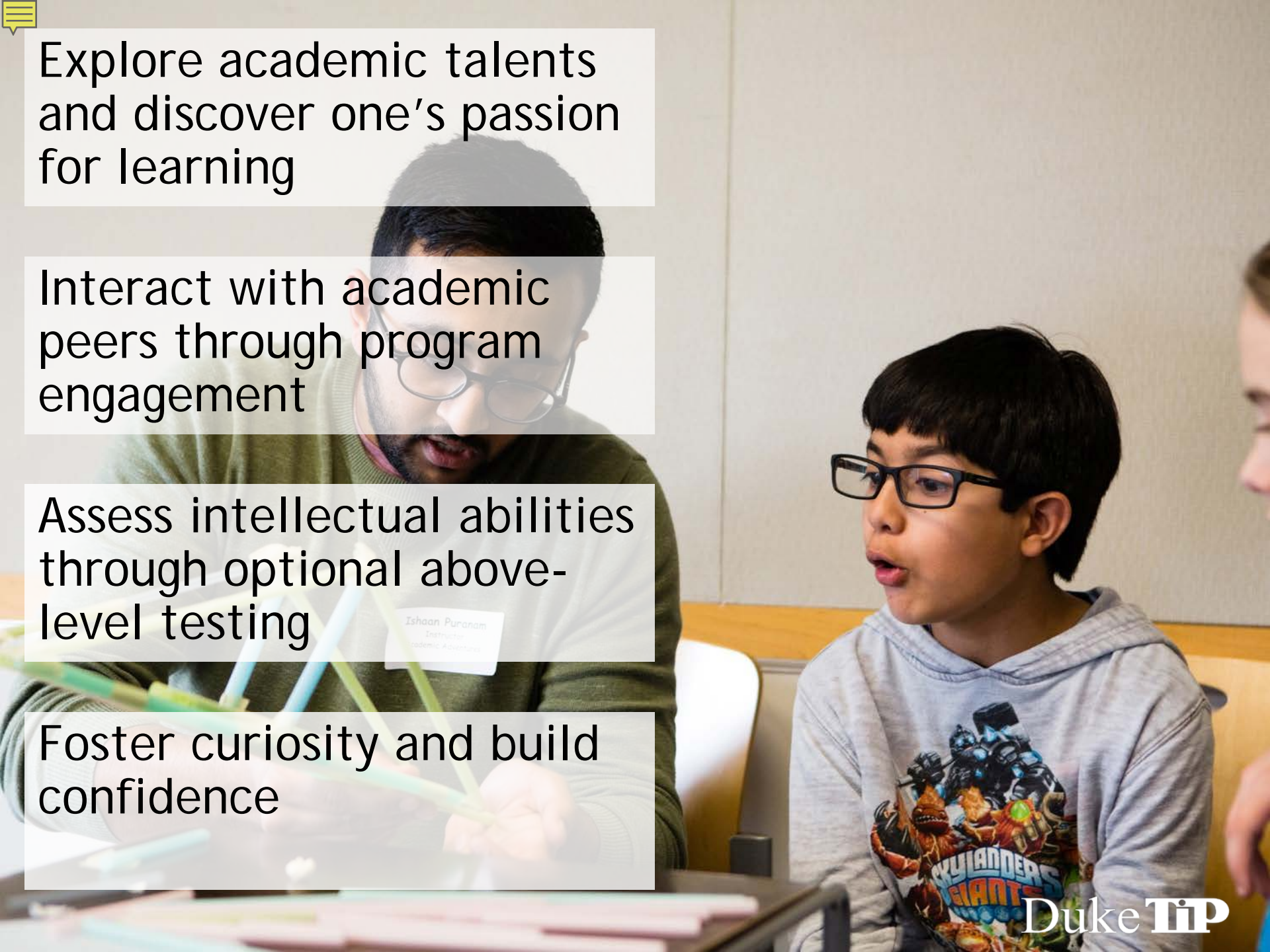
Educator Recommendation





Participation is rewarding!



The background image shows a man with a beard and glasses, wearing a green sweater, sitting at a desk and looking down at some papers. He has a name tag that reads "Ishaan Purohit, Instructor, Academic Advancement". To his right, a young boy with dark hair and glasses, wearing a grey hoodie with a "SKYLANDERS GIANTS" graphic, is looking towards the left. The scene appears to be a classroom or a workshop.

Explore academic talents  
and discover one's passion  
for learning

Interact with academic  
peers through program  
engagement

Assess intellectual abilities  
through optional above-  
level testing

Foster curiosity and build  
confidence



Take the ACT or SAT as  
a seventh grader

Gain invaluable  
knowledge and  
experience

Reveal and celebrate  
academic talents

Offer fine-tuned  
educational  
experiences







## 4-6 Grade Talent Search

We applaud  
achievement!



# 7th Grade Talent Search



We love to  
celebrate!

Duke **TIP**





## 4-6th Grade Talent Search

What are the benefits?



# DUKE TIP NAVIGATOR

FEATURES

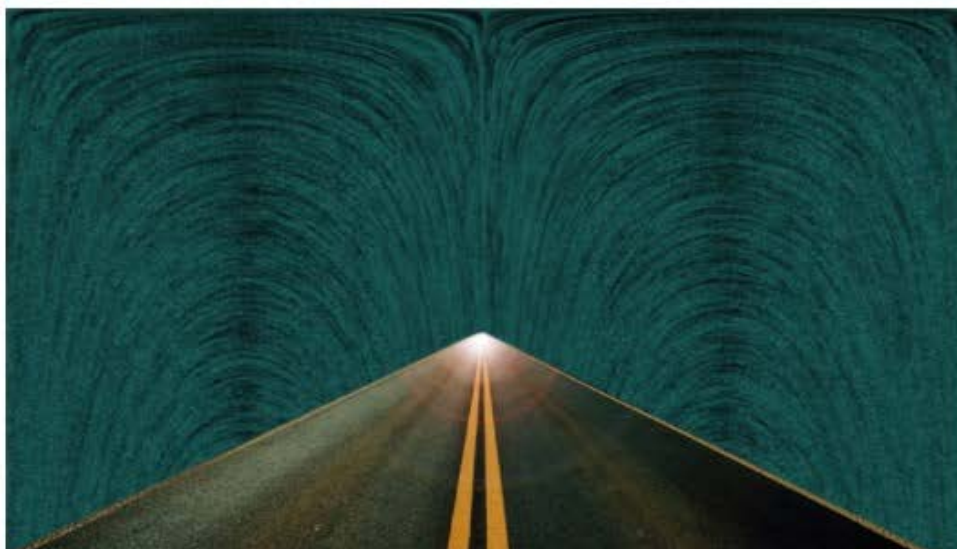
ROLE MODELS

HANDS ON

STUDENT STARS



Search this website ...



## The Hope of Dystopia

Why is dystopian literature so popular? [\[Read more\]](#)



## Your Future with AI

How will AI affect the way you study and work? [\[Read more\]](#)



## What Will the Future Look Like?

Tell us your vision of society's future. [\[Read more\]](#)



SITE	TERM 1	TERM 2	TERM 3
Agnes Scott College, Decatur, GA			
Eckerd College, St. Petersburg, FL			
Meredith College, Raleigh, NC	June 25- June 30	July 2-July 7	July 9-July 14
Southwestern University, Georgetown, TX			
Washington University, St. Louis, MI			
Research teams: Biomedical engineering, Broadcast and print media, Epidemiology, Finance and the global economy, Government and international politics, and Medical response			

Duke TIP  
Academic Adventures

The Health Museum

in Houston, Texas

April 15 & May 13

Discover your own  
academic challenge



Courses (April 15)

- Cardiologist for a Day
- Environmental Engineer for a Day

Duke TIP



# 4th–6th Grade Talent Search

## Academic 4th

2016–2017

*Advice on making the  
most of school (and  
life) for participants*

*in Duke TIP's  
4th–6th Grade  
Talent Search*

Duke  
TIP

## Extracurriculars & Community Service

When you get older and start thinking about college, it may seem like extracurriculars are a waste of time. But they're not! We're not talking about doing these activities to get into college right now. We're talking about doing them because they allow you to explore new topics, try out new abilities, meet new friends, and make a difference in the world, sometimes while making the world a better place!

### Why extracurricular activities are important

They say you should do things now that the "future you" would thank "today's you" for.

It's just a figure of speech (although, for the record, scientists do say that time-travel is a possibility, but we're not asking you to answer the question!). Even if you never get to be in the same room as a version of yourself from the future, applying this phrase is a great motivator for making the most of your time now. It can help you think about the future. For students with big dreams, activities like academic clubs, athletic teams, and community service could help make those dreams come true. In other words, this is a great way to spend your time outside of the classroom.

When it comes to extracurricular activities, it's important to pick things that interest you, are challenging but productive, and satisfying but deliberately chosen. The right extracurriculars can help you develop skills, spark new interests, and show others your versatility and character.

With every new experience, your confidence grows. You learn leadership, teamwork, and problem-solving skills, and hopefully, you have lots of fun along the way. Extracurriculars can help relieve stress, not add to it! So pick your extracurriculars wisely. Try and find a healthy mix of academic, developing, and service-related activities.







# BOOK CLUB





# Writing & Illustration Contest Winners

We're excited to present the first-place stories and illustrations from fourth, fifth, and sixth grade for the 2017 Duke TIP Writing & Illustration Contest. Congratulations to the winning authors and illustrators!

## Fourth Grade: In Search of Happiness



## 4TH-6TH GRADE TALENT SEARCH

Enrollment Information

Eligibility

Cost and Financial Aid

Student Benefits +

Writing and Illustration Contest -

- Writing Contest Winners

Taking the PSAT 8/9 +

Key Dates

Resources for Parents and Teachers +

Homeschooled Students

For Educators +



## 7th Grade Talent Search

Additional benefits?





## The Talent Search Experience for Students...

Welcome to Duke TIP! You may have lots of questions right now about the 2017–2018 7th Grade Talent Search and taking the ACT or SAT. *The Talent Search Experience* can answer them, as well as provide advice on making the most of your middle school experience as an academically talented student.

### Preparing for the test

You're probably asking yourself (or maybe your parents are asking you) whether you should study for the ACT or SAT with test prep courses or materials.

Here's the main thing to keep in mind: **you shouldn't stress about this test!** There's nothing riding on these scores. The point of taking an above-level test at your age is diagnostic. It is used to measure your strengths in different areas so you can use that knowledge to decide what kinds of classes, camps, and other academic opportunities you may want to take advantage of later. If you do a lot of preparation for the test, your results may not be the best reflection of your current strengths, and that would mean it's not a helpful diagnostic tool.

You have access to prep materials developed by the testing agencies. Use these materials to become familiar with the structure of the test and general test-taking tips, and to complete the practice test, if you want. Knowing what to expect might help you relax and focus better when test day comes. But remember that this experience is meant to assess your current abilities—your only real job is to do your best!

**More details and materials found at**  
[tip.duke.edu/7followup](http://tip.duke.edu/7followup)

# Duke TIP

## The Testing Experience

Even when it doesn't count for college admissions purposes, it can be stressful to take a test like the ACT or SAT—making sure you have the date and time right, waking up on time, getting to the testing center, and keeping track of all the required documents. Here's what you need to know first:

Before being admitted into the test center on test day, you are required to present an accepted talent search ID and the admission ticket.

- **ID:** You *must* bring the accepted talent search ID form with you to the testing center. The good news is that this is the only ID you need. **You do NOT need a photo ID.**
  - If you selected the ACT, the ID is the ACT Student Identification Form.
  - If you selected the SAT, the ID is the 2017–18 Talent Search/SAT ID Form.
- **Admission ticket:** Both ACT and SAT will send an admission ticket to you in the mail before the test. If your admission ticket has not arrived by two weeks before your test date, call ACT at (319) 337-1270 or SAT at (866) 756-7346 to request a replacement. If you are thirteen, you can also make an account on the ACT or SAT websites and print your own ticket.
- **Date, location, and time:** You already selected a test date and test center location! Your admission ticket will confirm the details, as well as what time to arrive on test day; typically at 7:45 a.m.

## The Talent Search Experience for Parents...

Welcome to Duke TIP! You should be very proud of what your child has accomplished to be invited to join the 2017–2018 7th Grade Talent Search. This opportunity probably also raises a lot of questions for you about how to best support your young scholar going forward. At TIP, we are not only here to serve academically talented students, but also their families.

### Educational Programming with Duke TIP

We know academically talented students often need more challenge and enrichment. We've developed a reputation as one of the leading organizations in the world for providing these students with accelerated academic programming. These programs also have associated fees, but need-based financial aid is available. Some of our programs also have a minimum ACT or SAT qualifying score requirement. Here's an overview of some of our educational programs.

**Summer Studies** (grades 7–10) is a three-week residential summer program. It's TIP's longest-running and largest program, taking place on college campuses across the country. Advanced classes combine coursework and residential activities in order to meet the academic and social needs of gifted students.

**eStudies** (grades 7–11) is an innovative seven-week online summer program with small classes, live course meetings, and daily interaction with an expert teacher. It offers advanced academics through live chats, discussion boards, blogs, and email.

**Field Studies** (grades 9–12) are rigorous two-week programs taking place at college campuses across the country and in stunning locations across the globe, including the Costa Rican jungle. This program admits students based on an evaluation of their overall academic portfolio, rather than test scores alone, making it a good choice for gifted students who may not score well on traditional tests.

**Scholar Weekends** (grades 8–11) are intensive two-day weekend courses taking place during the academic year, giving students the chance to explore a topic not typically covered in school. There are no minimum score requirements and it is a great way to supplement classroom learning with accelerated coursework while allowing students to sample in-depth advanced topics in preparation for choosing a college major or career path.

**Independent Learning** (grades 4–12) allows students to challenge themselves academically, on their own time and at their own pace, in math, language arts, and over 20 languages.

# Duke

## Where Do I Go?

As a talent search participant, your ACT or SAT this academic year. Please see *The Talent Search Experience for Students* to learn how to prepare for this above-level testing experience.

After taking the ACT or SAT, students receive reports to interpret their scores: a score report from the testing agency, which will compare scores to other high schoolers; and, in May, a results summary prepared by Duke TIP. This summary offers students and families to understand how students' scores compare to other seventh graders in the country. The score results summary offers suggestions for academic development based on scores. It should also indicate whether your child needs more challenge. Scores, combined with the score report, provide you valuable information when making decisions about options that may be appropriate for your child. To review last year's report, visit [tip.duke.edu/resultsummary](http://tip.duke.edu/resultsummary).

**For more detailed information about educational programs, including eligibility requirements, visit**





# DUKE TIP INSIGHTS

FEATURES

SHOP TALK

YOUR TURN

HAT TIPS

RECOMMENDED READING



Search this website ...



## Following Your Dreams in Bluegrass and Business

How do you start a business based on your passion? [\[Read more\]](#)



Architecture  
Discover, Dream, Design

Duke Tip





Pre-College Plan   Admissions   Your Application   Choosing   The Visit   Financial Aid   Checklists   Resources   TIPsterU

## TIPs for the College Bound

Middle and high school should be a time of academic discovery, stretching your skills as a scholar, exploring outside interests, and making friends. But all too often, college prep stress can get in the way.

Our solution? Start planning now so you don't get caught short later. No matter what grade you are in, there are steps you can take to make it easier to apply to college when the time comes—and to increase your chances of getting into the college of your dreams. We'd like to help by guiding you through this process and pointing you toward the resources you need to make the journey enjoyable. We have compiled advice and resources on everything from planning a successful pre-college academic strategy to navigating the application process, scheduling college visits, understanding financial aid, and choosing the school that's just the right fit for you.

## ABOUT DUKE TIP

Duke  
TIP

[tip.duke.edu/readyforcollege](http://tip.duke.edu/readyforcollege)

(Duke TIP) is a non-profit organization dedicated to





# Gifted Today

Information, advice, and resources  
for parents and educators  
of gifted children.



[Talent Talk](#)

[TIP's Research Digest](#)

[Opportunity Guide](#)

## **Talent Talk: TIP's Advice and Info Blog**



Check out Talent Talk for the latest gifted education news, advice on supporting gifted students, educational best practices, information on Duke TIP, and much more.

## **TIP's Research Digest: What the Facts Tell Us**



TIP's Research Digest includes an extensive library of research-based articles providing facts and advice from Duke TIP's researchers and other gifted education experts.

## **Opportunity Guide: Enrichment Options**

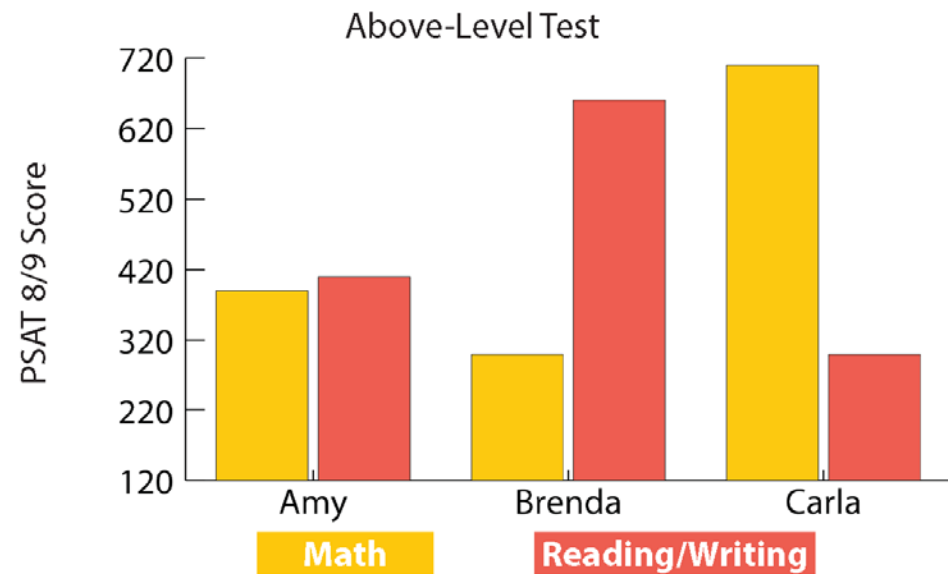
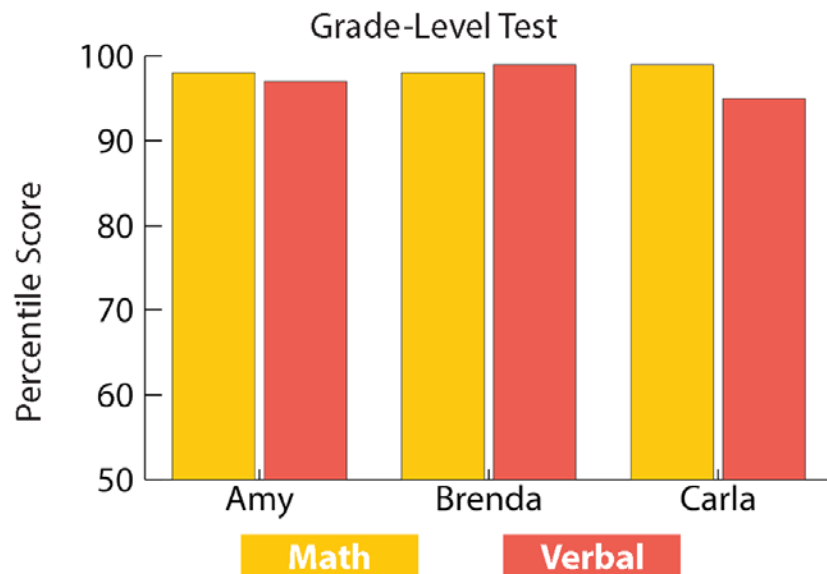


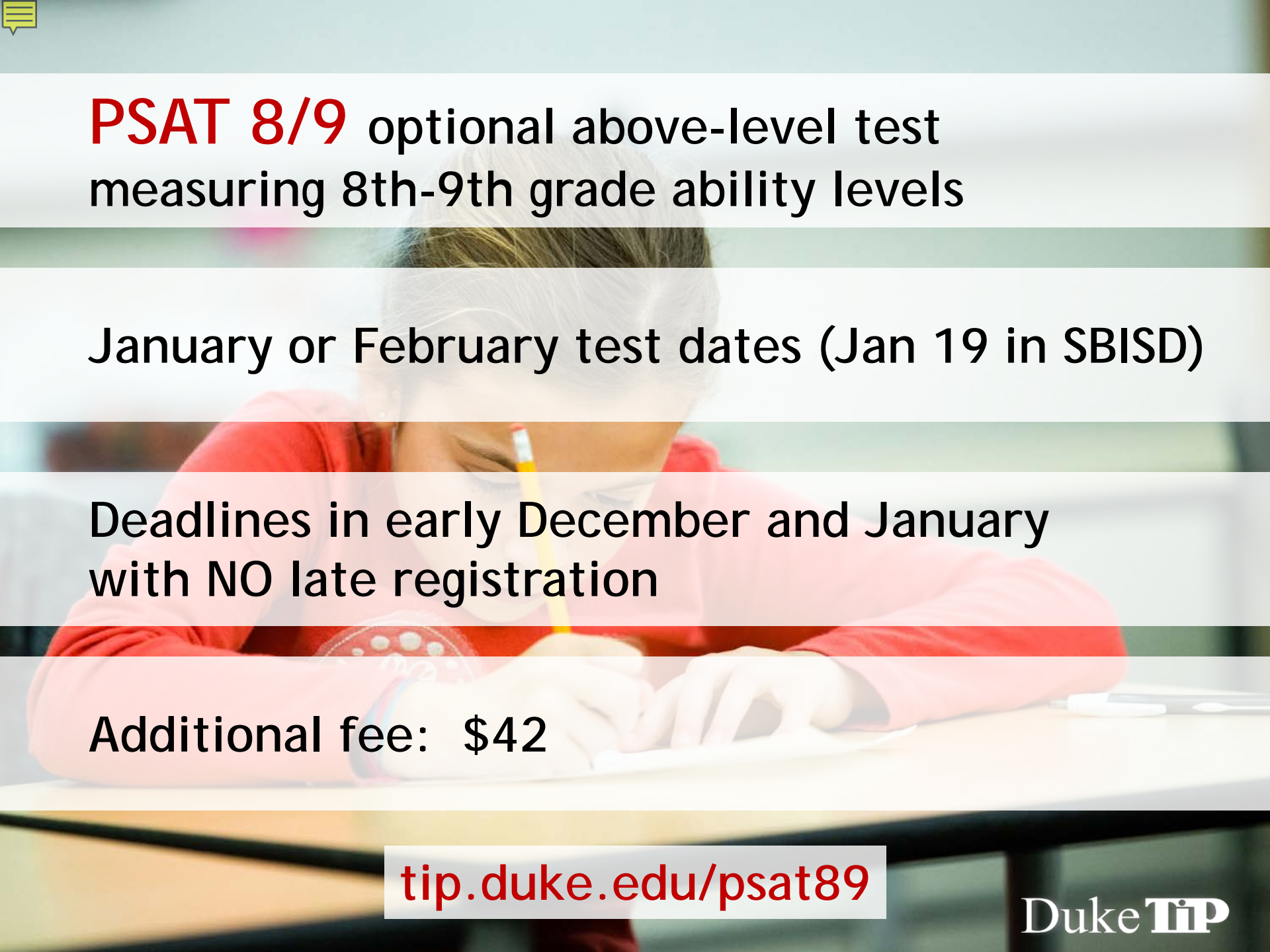
Browse our Educational Opportunity Guide for information on academic programs, contests, and scholarship opportunities designed specifically for gifted students.





# Above-level testing raises the bar on abilities understanding.



A background image of a young woman with brown hair, wearing a red long-sleeved shirt, sitting at a desk and writing on a piece of paper with a yellow pencil. The image is slightly blurred and has a soft focus.

**PSAT 8/9** optional above-level test  
measuring 8th-9th grade ability levels

January or February test dates (Jan 19 in SBISD)


Deadlines in early December and January  
with NO late registration

Additional fee: \$42

[tip.duke.edu/psat89](http://tip.duke.edu/psat89)

Duke **TiP**





# ¿ACT or SAT ?

[tip.duke.edu/7tests](http://tip.duke.edu/7tests)



# ABOVE-LEVEL TESTING:

## ACT VS. SAT

### ACT

- Measures academic achievement and college readiness
- Four sections: Math, English, Reading, Science (Writing is optional)
- 36 maximum points on each section

### SAT

- Measures academic achievement and college readiness
- Two sections: Evidence-Based Reading and Writing, and Math (Essay is optional)
- 800 maximum points on each section





# RESULTS SUMMARY

## Understanding Performance Relative to Peers

### How do I interpret my student's scores?

Although the score report you received from the ACT or SAT compares your student's test scores to those of high school graduates, this results summary reflects how well your student performed relative to the 53,839 other seventh graders whose scores were received by Duke TIP as of March 14, 2017. We use a peer-to-peer reporting format. How well your child performs compared to other students their age is the most useful way to look at this data when discussing an appropriate educational plan for your child with school counselors and teachers. Keep in mind that these percentile rankings include only seventh graders who qualified for TIP by scoring in the top 5 percent of standardized grade-level tests—meaning these score results represent a "best of the best" comparison.

To use the tables comparing your student's scores with those earned by other talent search participants, find your child's score in the shaded column, then read across the columns for the corresponding test section to find their percentile rank.

**Example:** If your student scored a 20 on the ACT English, find the number 20 under the "SCORE" column and read across to the column entitled "English % Rank" to find a percentile rank of 70 percent. This indicates that the ACT English score is equal to or higher than 70 percent of this year's group of seventh graders who took the ACT English test. (SAT score information in this results summary pertains to the SAT taken in March 2016 or later.)

### 2016–2017 TEST SUMMARY TABLE

Test Name & Section	Test Time & Length	Possible Scores	Average Talent Search Score Reported	Top Talent Search Score Reported
SAT Evidence-Based Reading and Writing	100 minutes, 96 questions	200–800	500	780
SAT Math	80 minutes, 58 questions	200–800	480	800
SAT Total		400–1600 (sum of two sections)	980	1560
ACT English	45 minutes, 75 questions	1–36	17	36
ACT Math	60 minutes, 60 questions	1–36	18	36
ACT Reading	35 minutes, 40 questions	1–36	19	36
ACT Science	35 minutes, 40 questions	1–36	18	36
ACT Composite		1–36 (average of all four sections)	18	35



4<sup>th</sup> - 6<sup>th</sup> Grade

October 1 - March 31

Enrollment is easy!

Online OR by mail

One-time fee: \$40

[tip.duke.edu/enroll](http://tip.duke.edu/enroll)

Duke **TiP**





Qualify for free or reduced lunch

NO FEE to participate

Financial aid is available!  
More than \$4.1M in aid awarded



A close-up photograph of a slice of cake on a white plate. The cake has layers of white frosting and dark brown cake, with red fruit (possibly strawberries) visible between the layers. A silver fork is placed on the plate next to the slice. The background is a wooden surface.

# Enrollment is easy!

Choose one test and test date

Online OR by mail

One-time fee: \$80 (or \$40 with fee grant)

[tip.duke.edu/enroll](https://tip.duke.edu/enroll)

Duke **TiP**





# RECOMMENDED ENROLLMENT DEADLINES

TEST	TEST DATE	PAPER APPLICATION POSTMARK DEADLINE	ONLINE ENROLLMENT DEADLINE
ACT	10/27/2018	—	9/19/2018
SAT	11/3/2018	9/10/2018	9/26/2018
SAT	12/1/2018	10/10/2018	10/24/2018
ACT	12/8/2018	10/10/2018	10/24/2018
ACT	2/9/2019	12/13/2018	1/8/2019

More test dates available at  
[www.tip.duke.edu/7enroll](http://www.tip.duke.edu/7enroll).



Over \$4.1M in financial aid  
awarded in 2017-2018 alone.





# BEYOND the Talent Searches



[tip.duke.edu/programs](https://tip.duke.edu/programs)

Duke **TiP**





# Academic Adventures

4th—6th graders

Day programs exclusively  
for Talent Search  
participants





Learning environment of  
similarly motivated peers





Explore atypical school topics at a host campus





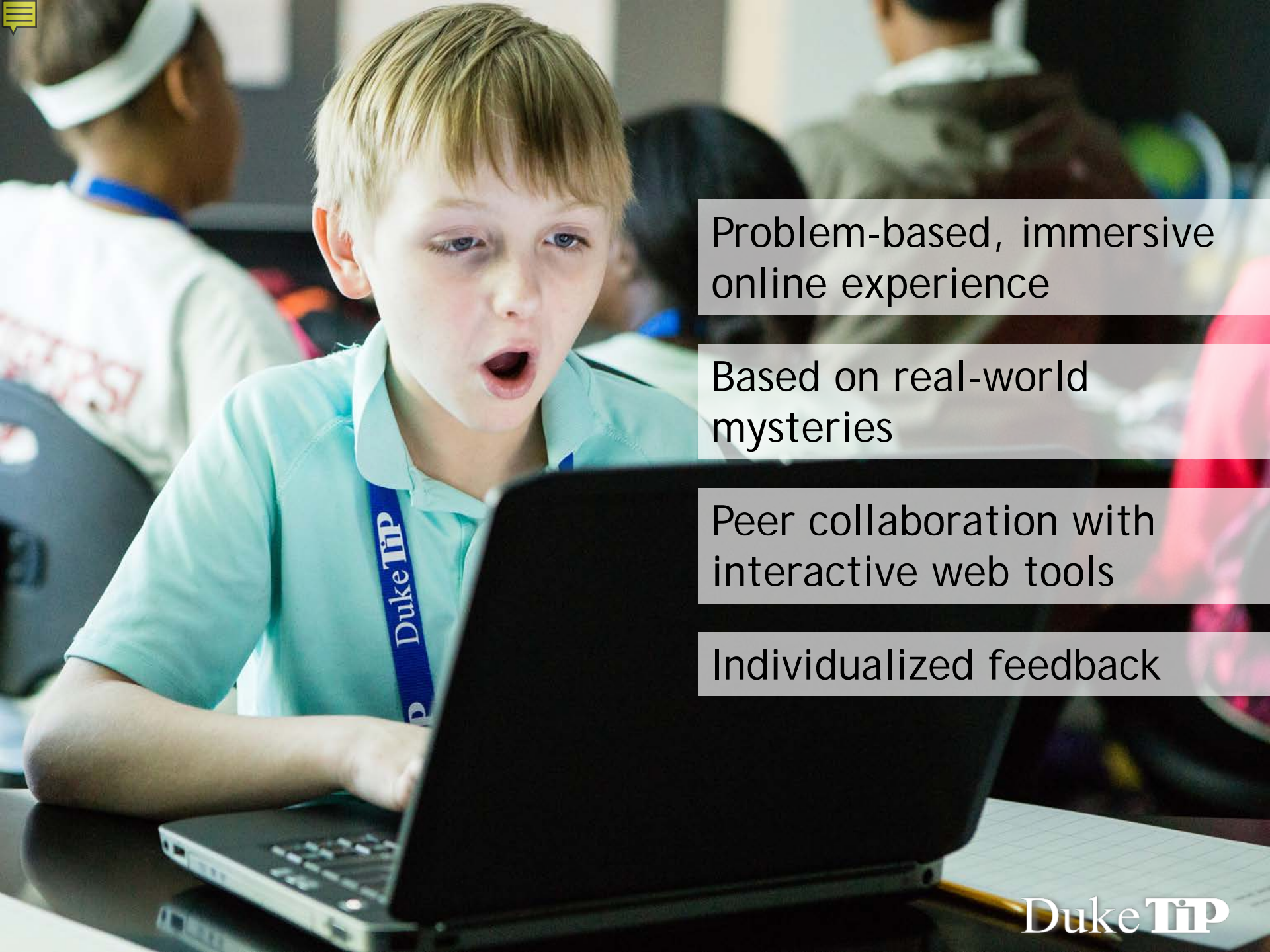
Locations include

# eInvestigators

4th–6th graders







Problem-based, immersive  
online experience

Based on real-world  
mysteries

Peer collaboration with  
interactive web tools

Individualized feedback

I Learned about the  
respiratory system and its  
function.

are thou  
Of differ  
ways all  
hing...

I learned about the  
respiratory system

I learned about the  
trachea

# CRISIS

5th—6th graders

Duke **TIP**





Emphasizes problem-based learning and leadership skills







Students work together to solve a community crisis





Locations include



# Scholar Weekends

7th—11th graders

## NASA Exercise: Survival on the Moon

Summary:  
You are a member of a space crew originally scheduled to rendezvous with a lunar lander on the fabled surface of the moon. However, due to mechanical difficulties, your ship was forced to land at a spot some 200 miles from the intended landing point. During emergency landings, much of the equipment desired for the mission is unavailable and must be abandoned other than the most essential items. You will have to make a list of the most important items to bring with you to the moon. You will have to make a list of the most important items to bring with you to the moon. You will have to make a list of the most important items to bring with you to the moon.

### NASA Ranking

- | Rank | Item                    |
|------|-------------------------|
| 1    | Food                    |
| 2    | Water                   |
| 3    | Communication equipment |
| 4    | Tools                   |
| 5    | Medical supplies        |
| 6    | Maps                    |
| 7    | Weather instruments     |
| 8    | First aid kit           |
| 9    | Flashlight              |
| 10   | Compass                 |
| 11   | Binoculars              |
| 12   | Telescope               |
| 13   | Radio                   |
| 14   | Antenna                 |
| 15   | Other                   |







pharmacology

cinematography

sports medicine

robotics

biotechnology

Shakespeare

entrepreneurship



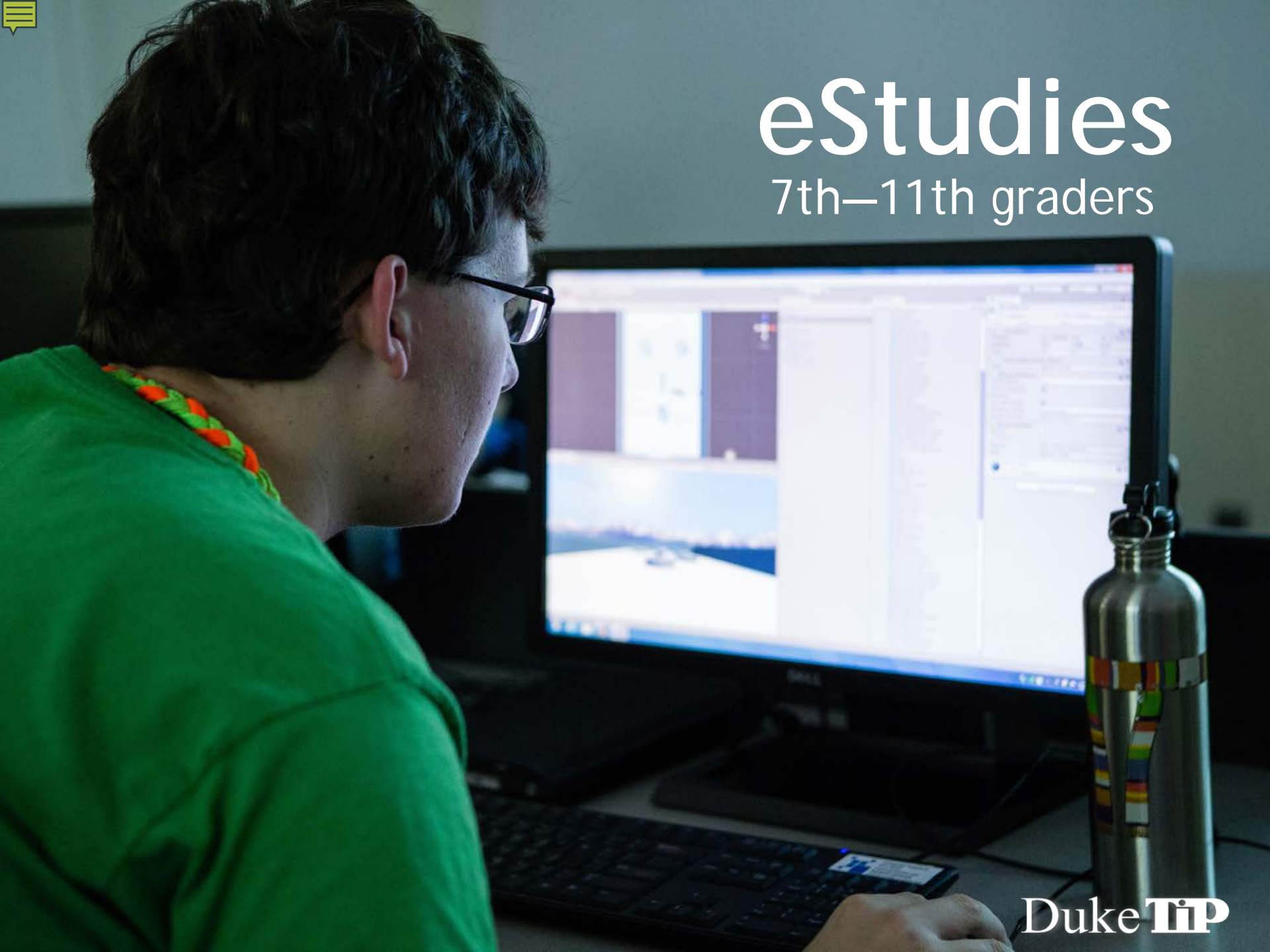
Locations include





# eStudies

7th—11th graders





Camera and voice

YOUR TEACHER

NEW FRIENDS

DEBATE  
DISCUSS  
DEFEND

Notes

- It often says to design with natural forces, rather than against them
- Nature's growths disorder and help
- Computer models regarded as less than

Can "Nature" provide inspiring examples for?

**Ecogenetics is the examination of natural elements to simulate or take from problems.**

**Self-Set Prior Knowledge discussion**

- What do you already know about biomimicry and biomimetics?
- What facts or concepts are most interesting to you in biomimicry and biomimetics?
- What questions do you have about biomimicry and biomimetics?
- What issues would you like to explore in biomimicry and biomimetics?

**Robert Corbin (Group Discussion Questions)**

**6:45-6:48** Suggest in discussion specific ways that cooperation and inspiration from nature can inspire design and/or solutions to humankind's most vexing problems.

**6:49-6:51** Embed a link for us to visit where we can watch 20 seconds of an inspiring example from one "Inspired by Nature" Red Talk from here: [http://www.ted.com/talks/inspired\\_by\\_nature.html](http://www.ted.com/talks/inspired_by_nature.html) and

- Discuss specifically why you find it inspiring
- Make a claim about a design inspired by nature that will solve a human problem and present substantive evidence to defend why you think it will work. Incorporate redundancy in the model
- Make interdisciplinary recommendations (both in terms of the science to be done and policy to be made) in order to make use of the design you suggest in order to achieve positive outcomes as it relates to disasters
- On Page 44 of Ecological Vigilance Eugene Ostrom calls "Variety the Spice of Life". What does he mean by this statement and how does "nature" provide this variety?
- What does nature as inspiration have to do with preparing for, preventing, and mitigating disasters?

Cheryl Corbin

Edly S. - This will mitigate Global Warming because of saving green house effect and air pollution

Robert Corbin 2: - Julia but not y all

Adrian M. - is your main concern the plants

Cheryl 2: I can see Dr C

Julian 2: what was the link for the plants

Edly S. - I think but I guess the link is about the plants

Owen 2: do you think you could make some plants

Edly S. - [http://www.ted.com/talks/robert\\_corbin\\_making\\_us\\_how\\_to\\_grow\\_our\\_own\\_fish.html](http://www.ted.com/talks/robert_corbin_making_us_how_to_grow_our_own_fish.html)

Michael S. - isn't it bad to have too much oxygen?

Edly S. - I'm sorry

Robert Corbin 2: I just made you the presenter Owen. In about two minutes post your video

Julian 2: thank u

Owen 2: [http://www.ted.com/talks/robert\\_corbin\\_making\\_us\\_how\\_to\\_grow\\_our\\_own\\_fish.html](http://www.ted.com/talks/robert_corbin_making_us_how_to_grow_our_own_fish.html)

Edly S. your welcome

Adrian M. Good point, Cheryl, we'd have to make sure it wasn't doing the plants jobs, but making them

Owen 2: from about 20 or 30 to 500

Adrian M. I can't

Adrian M. Yes, Michael

Robert Corbin 2: Great and illustration

Adrian M. [Robert Corbin 2: Great and illustration](#)

Edly S. - I can see Dr C

Robert Corbin 2: Great, how does this idea help us with disasters?

Julian 2: I just did

Owen 2: Julian I am sorry...

Share / Screen

Attendee List

- Cheryl Corbin 2
- Robert Corbin 2
- Bradley 2
- Edly S
- Julian 2
- Michael S
- Owen 2

6:48:43/6:48:48





# Summer Studies

7th—10th graders





Advanced academic study

Duke TIP



# Dynamic residential programming





Locations include





# Field Studies

9th—12th graders

Duke **TiP**



A group of four hikers are seen from behind, walking along a narrow, muddy trail in a dense tropical forest. They are wearing backpacks and rain gear. The forest is filled with large, vibrant green leaves and thick vegetation. The text "Real world exploration" is overlaid in the upper right corner.

Real world exploration

Duke TIP





## Unique study locations









# JACK KENT COOKE

FOUNDATION

# DukeTIP

Duke University Talent Identification Program

## YOUNG SCHOLARS PROGRAM

Rising 8<sup>th</sup> graders

January—March application  
period (current 7<sup>th</sup> graders)

Financial and educational  
support through high school

## COLLEGE SCHOLARSHIP PROGRAM

High school Seniors

September—November  
application period

Financial and educational  
support through college

[JKCF.org/DukeTIP](http://JKCF.org/DukeTIP)



# AMY ELLINGSON

Advanced Academic Studies (SBISD)  
Amy.Ellingson@springbranchisd.com –  
713-251-2005

# TRACI GUIDRY

TEXAS OFFICE  
tguidry@tip.duke.edu  
(512) 473-8400

Recorded versions available at  
[www.tip.duke.edu/456webinars](http://www.tip.duke.edu/456webinars)  
or /7webinars

Duke **TiP**