



EAST TENNESSEE STATE
UNIVERSITY

*Governor's School
for Scientific Models
and Data Analysis*



Daily Schedule of Activities

Sunday, May 24th – Friday, June 26th, 2015

Dr. Anant P. Godbole
Director

Ms. Angela Haga
Assistant Director

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

Thursday, May 21

All counselors—all day

- 5:00-7:00pm Counselor's check in at Luntsford Apartments
(STEPHANIE UNBEWUST-Lead counselor; AMANDA HILL-Counselor; LYDIA CARR-Counselor; NICHOLAS PAPWORTH-Counselor)
- 3:00-4:00 Lunch- Counselors will get their own lunch
- 8:00-5:00 Counselor's spend time working on free time activities
- 5:00-6:00 Counselor's will meet with RA in **Luntsford Hall** Dinner
- 6:00-11:00 Counselor's will spend this time planning activities for the GS students

Friday, May 22

All Counselors—all day

- 8:00-9:00 **Breakfast** – Counselor's will get breakfast
- 9:00-2:00 Counselors meet with Angela Haga to complete last minute tasks for the Governor's School



FIRST AID/CPR TRAINING – AMERICAN RED CROSS
501 South Wilcox Drive
Kingsport, TN 37660

9:00am- Health and Safety Services Contact: www.redcrossnetn.org Tracy

4:00pm (800-733-2767 option #3) \$90.00 per person per class

- 4:00-5:00 Counselor work in dorms
- 5:00-6:00 Counselor's will meet with RA in **Luntsford Hall**
- 6:30-7:30 **Dinner**—counselors will get dinner
- 7:30-11:00 Counselors will spend this time planning activities for the GS students

Saturday, May 23

All Counselors—all day

- 8:00-9:00am **Breakfast** – Counselors will get breakfast
- 9:00am-12:00pm Counselors prepare activities and discuss room assignments
- 12:00-1:00 **Lunch**-- Counselors will get lunch
- 1:00-6:30 Counselors prepare dorm rooms, room assignments, names on doors, distribute text printed materials, etc.
- 6:30-7:30 **Dinner**—counselors will get dinner
- 7:30-10:00 Counselor's discuss opening day events and prepare for student arrival
- 10:00 -11:00 Counselor's Meeting to discuss the day's events

Sunday, May 24

All Counselors—all day

- 8:00-9:00 **Breakfast** – Counselors will get breakfast
- 9:00-10:00 Counselors recheck to make sure that the dorm rooms—room assignments, names on doors, text printed materials, are prepared and delivered
- 10:00-12:30 **Students check-in at Luntsford Hall:** Counselors will be on hand to assist students
- 1:00-2:30 **Opening: Meet the Faculty/Staff: Warf-Pickle Hall, Room 315**—students and parents will have an opportunity to meet GS faculty and staff, informal luncheon will be provided (finger sandwiches, fruit tray, vegetable tray, cheese tray, crackers, sweetened/un-sweetened tea, coffee, cookies)
- 2:30-3:30 Students settle into dorm rooms, get acquainted
- 3:30-6:30 Group Activities and Governor's School Rule Review
- 6:30-7:30 **Dinner**—counselors will get dinner for students (**Local Restaurant**)
- 7:30-10:00 **Activities with Counselors**
- 10:00 Students must be in dorm
- 10:30 Lights out for students,
- 11:00 Residential Staff Meeting to discuss the day's events

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

Monday, May 25 Memorial Day

8:00-9:00	Breakfast – MEMORIAL DAY HOLIDAY—Aramark will not be open for any food service Counselors will provide breakfast for the students
9:00-9:30	Plenary Meeting, Brown Hall, 216 [Dr. Rhoton will give overview and answer any questions.] (<i>Attending: Students, Counselors, Dr. Rhoton</i>)
9:30-12:00	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
12:00-1:00	Lunch -- MEMORIAL DAY HOLIDAY—Aramark will not be open for any food service PICNIC
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 (Dr. Karl Joplin)
“Research in Action: Experimental Design Class”	
4:00-5:00pm	Dr. Chih-Che Tai Brown Hall Room 212—“Nature of Science and Science Learning” (<i>Office: 439-7591 Warf-Pickel Hall Room 509F-- CEMSE taic01@etsu.edu</i>)
5:00-6:00	Dinner – MEMORIAL DAY HOLIDAY—Aramark will not be open for any food service (Counselors will provide dinner for students) (Delivery or Local Restaurant)
6:00-7:30	Dr. Karl Joplin and Dr. Nicole Lewis will meet with the GS students and counselors to discuss the required GS Projects
7:30-10:00	Getting to know the GS counselors/Planned activities
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting to discuss the day’s events

Tuesday, May 26

8:00-9:00	Breakfast – Culp Center Cafeteria (Students & Counselors)
9:00-9:30	Plenary Meeting, Brown Hall 216 (Students, Counselors, Rhoton & Haga)
9:30-11:25	Probability and Statistics--Lecture, Gilbreath Hall 205 --(Dr. Nicole Lewis)
PHOTO ID Cards created	
11:30am-12:45pm	3 counselors to assist- Charlie Forrester - DP Culp Center- Office: 439-8314 (forrestc@etsu.edu) (Charlie needs a list of students and counselors- names and E numbers 1 week before the students check in.
12:45-1:45	Lunch— Culp Center Cafeteria (Students & Counselors)
1:45-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 (Dr. Karl Joplin)
4:00-5:00	Work on Projects
5:00-6:00	Dinner – Culp Center Cafeteria (Students & Counselors)
6:00-8:30	Planned Activities with Counselors
8:30-10:00	Open Time—Library open until 10:00
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting to discuss the day’s events

Wednesday, May 27

8:00-9:00	Breakfast – Culp Center Cafeteria (Students & Counselors)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch-- Culp Center Cafeteria (Students & Counselors)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)
“Research in Action: Experimental Design Class”	
4:00-5:00pm	“How Do We Look at the Data? Some Collaboration Cases with Researchers in Biology and Medicine” with Dr. Edith Seier in Brown Hall Room #212 (Office: 439-5812 Gilbreath Hall Room 308-B seier@etsu.edu)
5:00-6:00	Dinner – Culp Center Cafeteria (Students & Counselors)
6:00-10:00	Open Time, Library open until 10:00pm
10:00	Students must be in dorm
10:30	Lights out for students
11:00	Residential Staff Meeting to discuss the day’s events

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

Thursday, May 28

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)
4:00-4:30	Group Photos — <i>Sherrod Library</i> steps– Jim Sledge (439-4357) sledgej@etsu.edu ETSU Photo-Lab (someone from the photo lab will meet us on the steps of the library)
4:30-5:30	Work on Projects
5:30-6:30	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-8:30	Group Activities
8:30-10:00	Open Time (Groups should meet to discuss possible projects. Counselors assigned should meet with the students; faculty may also meet) Library will be open until 10:00pm
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting to discuss the day's events

Friday, May 29

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch --Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 (Dr. Karl Joplin)
Campus Arboretum Tour	
4:00-5:30pm	"Tour of ETSU Campus Arboretum" with Travis Watson- (watsont@etsu.edu Office: 423-439-7759) Arborist Manager
5:30-6:30	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-10:00	Open Time
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting to discuss the day's events

Saturday, May 30

7:00-8:00	Breakfast – Aramark will not be open for food service (weekend) Counselors will provide breakfast for the students
8:00-8:45	Get ready for Field Trip (Willie Griffin—(423) 930-6951 as driver)



SNAP-ON Tools

Agenda for Governor's School Visit

Snap-on Incorporated is a leading global innovator, manufacturer and marketer of tools, equipment, diagnostics, repair information and systems solutions for professional users performing critical tasks. Products and services include hand and power tools, tool storage, diagnostics software, information and management systems, shop equipment and other solutions for vehicle dealerships and repair centers, as well as for customers in industries, including aviation and aerospace, agriculture, construction, government and military, mining, natural resources, power generation and technical education. Snap-on also derives income from various financing programs to facilitate the sales of its products. Products and services are sold through the company's franchisee, company-direct, distributor and internet channels. Founded in 1920, Snap-on is a \$3.1 billion, S&P 500 company headquartered in Kenosha, Wisconsin.

7:45am depart ETSU	Students and counselors meet Washington County School bus driver in front of Luntsford Hall to leave for Snap-On Tools in Elizabethton, TN.
8:30am -11:30am	Will meet Mr. Jon Carley at Gate #1 From Stateline Road (423-895-0835). Jon.J.Carley@snapon.com
11:30am	Depart Snap-On Tools for ETSU
11:45am-12:30pm	Lunch will be served at the park- PICNIC with sandwiches, chips, drinks and cookies

1:00-5:30 Planned activities with counselors

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

5:30-6:30	Dinner— Aramark will not be open for food service (weekend) Counselors will provide dinner for student's (Local Restaurant)
6:30-10:00	Open Time —Project Groups meet with counselors/others
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Sunday, May 31

8:00-9:00	Breakfast— Aramark will not be open for food service (weekend) Counselors will provide breakfast for Students'
9:00-2:00	Families are welcome to visit their students, must be back on campus by 10:00 pm, when dorm closes. Family Day
12:00-1:00	Lunch— Aramark will not be open for food service (weekend) Counselors will provide lunch for those students who will be remaining on campus
5:30-6:30	Dinner- Aramark will not be open for food service (weekend) Counselors will provide dinner for students (Local Restaurant)
	Library is open 2:00-10:00 pm
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Monday, June 1

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205 -- (Dr. Nicole Lewis)
11:30-1:00	Lunch --Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223-- (Dr. Karl Joplin)
4:00-5:30	Study/Work on Projects/Library
5:30-6:30	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-10:00	Open Time —Project Groups meet with counselors/others
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Tuesday, June 2

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205 -- (Dr. Nicole Lewis)
11:30-1:00	Lunch --Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)

"Research in Action: Experimental Design Class"	
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4:00-5:00pm	Dr. Anant Godbole- Warf-Pickel Hall Room 509-A —"Probability GEMS" (Office: 439-7589 DM Brown Hall Room 216 godbole@etsu.edu)
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5:30-6:30	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-9:30	Probability and Statistics, General Biology for Majors—Talk About Project Titles – Brown Hall 223
9:30-10:00	Open Time —Project Groups meet with counselors
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Wednesday, June 3

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-10:25	Exam 1: MATH Exam in Gilbreath Hall room 306
10:25-10:35	Break
10:35-12:00	Exam 1: BIOLOGY Exam in DB Brown Hall room 216

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

12:00-1:00	Lunch --Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (<i>Symbiosis</i>) Brown Hall 223-- (Dr. Karl Joplin)
4:00-5:30	Work on Projects
5:30-6:30	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-8:30	Work on Projects / Study Time
8:30-10:00	Activities with counselors
10:00	Students must be in dorm
10:30	Lights out for students
11:00	Residential Staff Meeting

Thursday, June 4

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (<i>Symbiosis</i>) Brown Hall 223 -- (Dr. Karl Joplin)

"Research in Action: Experimental Design Class"

4:00-5:30pm	Dr. TJ Jones Brown Hall Room 212— (Office: 439-6930 DM Brown Hall Room 307-- jonestc@etsu.edu)
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5:30-6:30	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
7:00-8:30	Work on Projects
8:30-10:30	Open Time —Activities with counselors
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Friday, June 5

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (<i>Symbiosis</i>) Brown Hall 223 -- (Dr. Karl Joplin)
4:00-5:00	Work on Projects
5:00-5:30	Planned activities with counselors
5:30-6:30	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-8:00	Activities with counselors
8:00-10:00	Open Time —Project Groups meet with counselors
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Saturday, June 6

8:00-9:00	Breakfast – Aramark will not be open for food service (weekend) Counselors will provide breakfast for students (Cereals, bagels, pop tarts, breakfast muffins, donuts, energy bars, juices, milk, water)
9:00-12:00	<i>Open Time (meet with counselors); collect materials for Field Trip</i>
12:45 depart	Meet Washington County bus (Willie Griffin—(423) 930-6951 as driver) in front of Luntsford Hall to leave for Gray Fossil Site and Museum.

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

	<p align="center">Gray Fossil Site & Museum</p>	<p align="center">Agenda for Governor's School Visit</p>
<p>"Tennessee's Gray Fossil Site is a 4.5 to 7 million-year-old lake bed formed in a sinkhole. Because the lake would have been a magnet for life, recovered fossils include everything from fish, frogs, and salamanders, to short-faced bears, saber-toothed cats, and rhinos. The site even contains a strange, shovel-tusked elephant whose intruding lower jaw held flat, bladelike lower tusks used for stripping the bark of trees and tearing up vegetation" The Gray fossil site is located in Washington County near the community of Gray, Tennessee. Tennessee Department of Transportation geologist Larry Bolt first noticed the unusual geology in excavations during re-alignment and widening of State Route 75.</p>		
<p>12:45-1:15pm</p>	<p><i>Bus leaves Luntsford Hall for Gray Fossil Site & Museum</i></p>	
<p>1:15-1:20pm</p>	<p><i>Meet guide in front of Museum Phone: 423-439-3662 Email: crumly@etsu.edu</i></p>	
<p>1:20-2:20pm</p>	<p><i>Tour through permanent exhibit and go out onto fossil site- learn how the site formed and was discovered.</i></p>	
	<p><i>Go into paleo lab and learn from a preparatory, and then pick through Gray Fossil Site sediment for fossils.</i> <i>The ways in which researchers assess sites:</i> <i>1: How do you extract information from a site?</i> <i>2. What methods are used?</i> <i>3. How do you go about reconstructing the ancient environment?</i> <i>4. What can you learn by examining the stratigraphy?</i></p>	
	<p>Lunch on Site- sandwiches, various chips, drinks, cookies.</p>	
<p>4:15pm</p>	<p><i>Leave Kingsport and return to ETSU campus and Luntsford Hall</i></p>	

- 5:00-6:00 Clean-up for Dinner
- 6:00-7:00 **Dinner: Aramark will not be open for food service (weekend)** Counselors will get dinner for students **(Local Restaurant)**
- 7:00-10:00 Free Time for GS students
- 10:00 Students must be in dorm
- 10:30 Lights out for students,
- 11:00 Residential Staff Meeting

Sunday, June 7

- 8:00-9:00 **Breakfast – Aramark will not be open for food service (weekend)** Counselors will provide breakfast for students **(Cereals, pop tarts, breakfast muffins, donuts, energy bars, juices, milk, water)**
- 9:00-10:00 Students prepare to leave with parents or stay on campus with counselors
- 10:00am-10:00pm **Family Day**, students may go off campus with parents.
- 12:00-1:00 **Lunch— Aramark will not be open for food service (weekend)** Counselors will provide lunch for students who will be remaining on campus **(PICNIC- Sandwiches- various, chips, drinks, cookies- students, counselors)**
- 5:00-6:00 **Dinner— Aramark will not be open for food service (weekend)** Counselors will get dinner for students **(Local Restaurant)**
Library is open 2:00-10:00 pm.
- 6:00-10:00 Free time for GS students
- 10:00 Students must be in dorm
- 10:30 Lights out for students,
- 11:00 Residential Staff Meeting

Monday, June 8

- 8:00-9:00 **Breakfast – Culp Center Cafeteria (Students & Counselors)**
- 9:00-11:30 **Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)**
- 11:30-1:00 **Lunch-- Culp Center Cafeteria (Students & Counselors)**
- 1:00-4:00 **General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)**
- 4:00-5:30 Work on Projects
- 5:30-6:30 **Dinner – Culp Center Cafeteria (Students & Counselors)**
- 6:30-8:30 **Activities with counselors**

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

8:30-10:00	Open Time —Library is open until 10:00.
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Tuesday, June 9

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics—Lecture, Gilbreath Hall 205—(Dr. Nicole Lewis)
11:30-1:00	Lunch —Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors—Lecture (Symbiosis) Brown Hall 223 – (Dr. Karl Joplin)

“Research in Action: Experimental Design Class”

4:00-5:30pm	Dr. TJ Jones Brown Hall Room 212— (Office: 439-6930 DM Brown Hall Room 307— jonestc@etsu.edu)
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5:00-6:00	Dinner —Culp Center Cafeteria (<i>Students & Counselors</i>)
6:00-10:00	Open Time —Library is open until 10:00.
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Wednesday, June 10

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics—Lecture, Gilbreath Hall 205—(Dr. Nicole Lewis)
11:30-1:00	Lunch —Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors—Lecture (Symbiosis) Brown Hall 223 – (Dr. Karl Joplin)


“Research in Action: Experimental Design Class”

4:00-5:00pm	PLANETARIUM PROGRAM: “Interpreting Starlight” with Dr. Gary Henson in Hutcheson Hall Room 207 (Office: 439-6906 DM Brown Hall Room 272 hensonq@etsu.edu)
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5:00-6:00	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:00-8:30	Activities with counselors
8:30-10:00	Open Time —Library is open until 10:00.
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Thursday, June 11

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00 depart	Meet Washington County School Bus (Willie Griffin—(423) 930-6951 as driver) at Luntsford Hall for Field Trip to Eastman Chemical Company

	TN Governor's School AGENDA – Thursday, June 11, 2015	
Eastman Contact: Sherry Morelock 423-229-5353 sherryj@eastman.com		
Eastman is a global specialty chemicals company that produces a broad range of advanced materials, additives and functional products, specialty chemicals, and fibers that are found in products people use every day.		
8:00-9:00am	Breakfast	Culp Center Cafeteria (Students & Counselors)
9:00 am	Depart Luntsford Hall for Field Trip to Eastman Chemical Company	Meet Washington County School Bus (Driver – Lisa Ray – 423-329-4360)
9:30 am	Students Arrive at B-310	Eastman Employee Center, Rm. 225
9:30-9:45am	Welcome/Eastman Presentation	Sherry Morelock
9:45-10:45am	RCAM Activity	Kenny Cornett
10:45-11:45am	Radioactive Golf Ball Activity	Brandon Stevens / Alexandra Kleven
11:45-12:15pm	Lunch in Room 213 (Bridge Room)	
12:15-1:00pm	Chemistry in the Real World Demos	Meredith Jack / Braedon Hilliard
1:00-3:00pm	Bridge Building Activity	Engineering Co-Ops:

Schedule of Activities-- Governor's School for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

		Austin Fullbright, Winnie Chen, Ryan Green, Braedon Hilliard, Meredith Jack, David Russell, Bryon Spells, Greg Timm, Sara Wendte	
3:00-3:30pm	Bridge Building Awards	Engineering Co-Ops	
3:30pm	Students depart for ETSU		
Governor School Students			
Cameron S. Austin	Aiden A. Gonzalez	David C. Massie	Ty W. Steward
Kassandra F. Ayala	Alexis M. Greene	Brandon P. Patel	Cameron A. Stone
Amelia K. Baran	Madison B. Hostetler	Jacob C. Raines	Annie Tieu
Anup P. Challa	Mackinzie L. Hutchison	Kaleb T. Roderick	Matthew D. Toppenberg
Mary Katherine DeWane	Ashwin R. Jagadish	Shailey C. Shah	Brianna M. Wheeler
Mary A. Ezell	Spenser H. Johnson	Todd Z. Simmons	Caroline G. Wilson
Brenna K. Flynn	Allycia YK Lee	Mia K. Spivey	
Julia E. Goncalves	Mitchell D. Long	Mya T. Spivey	
Counselors			
Stephanie Unbewust	Amanda Hill	Lydia Carr	Nicholas Papworth
ETSU Contact: Angela Haga 423-439-7592 haga@mail.etsu.edu			

- 3:10-4:00 Journey back to ETSU's Luntsford Apartments
- 4:00-5:30 Work on Projects/study time
- 5:30-6:30 Dinner – Culp Center Cafeteria (Students & Counselors)**
- 6:30-9:00 Project Groups meet with faculty
- 9:00-10:00 **Open Time**—Library is open until 10:00pm
- 10:00 Students must be in dorm
- 10:30 Lights out for students,
- 11:00 Residential Staff Meeting

Friday, June 12

- 8:00-9:00 Breakfast – Culp Center Cafeteria (Students & Counselors)**
- 9:00-9:30 Open Time
- 9:30-11:30 Probability and Statistics—Lecture, Gilbreath Hall 205 – (Dr. Nicole Lewis)**
- 11:30-12:30 Lunch –Culp Center Cafeteria (Students & Counselors)**
- 12:30-12:45 Prepare to leave for field trip to **Historic Jonesborough**
- 12:45pm **depart** Meet the Washington County Bus (**Willie Griffin—(423) 930-6951 as driver**) leaves **Luntsford Hall**



Historic Jonesborough

Agenda for Governor's School Visit

When you enter Historic Jonesborough, Tennessee, you're taking a journey into the past. Jonesborough is a unique 18th century town nestled in the Appalachian Mountains of Northeast Tennessee, Jonesborough's natural beauty, charming architecture, and storytelling heritage have attracted visitors worldwide. Centrally located in Northeast Tennessee among Johnson City, Kingsport and Bristol, there is always something going on. As you walk along Jonesborough's well preserved Main Street, you easily drop back in time to the days of Daniel Boone, Andrew Jackson, David Crockett, John Sevier and the many other historic figures that lived in or around Jonesborough. Learn about the State of Franklin, the first attempt of statehood after the American Revolution; and the *Emancipator*, the first publication in the country solely supporting the abolition of slavery.

12:45pm	Depart ETSU
	Students may shop in varied stores and eat in quaint cafes and restaurants. Some attractions are: Jonesborough/Washington County History Museum, the International Storytelling Center and the Historic Jonesborough Visitors Center. This area is considered the birthplace of country music. There are free concerts down town every Friday night from May through September.
1:30-1:40pm	Orientation at Jonesborough Visitors Center

Schedule of Activities-- Governor's School Chapter for Scientific Models and Data Analysis


Sunday, May 24th, through Friday, June 26th, 2015

1:40-1:50pm	Travel to Station 1
1:50-2:35pm	Station 1 ROTATION MATRIX: Jonesborough Washington County History Museum- <i>Group A</i> Oak Hill School- <i>Group B</i> Chester Inn Museum- <i>Group C</i>
2:35-2:45pm	Travel to Station 2
2:45-3:30pm	Station 2 ROTATION MATRIX: Jonesborough Washington County History Museum- <i>Group C</i> Oak Hill School- <i>Group A</i> Chester Inn Museum- <i>Group B</i>
3:30-3:40pm	Travel to Station 3
3:40-4:25pm	Station 3 ROTATION MATRIX: Jonesborough Washington County History Museum- <i>Group B</i> Oak Hill School- <i>Group C</i> Chester Inn Museum- <i>Group A</i>
5:00-6:00pm	Dinner on Site in Jonesborough, TN
9:00-10:00pm	Leave Jonesborough and return to ETSU and Luntsford Hall

10:00 Students must be in dorm
10:30 Lights out for students,
11:00 Residential Staff Meeting

Saturday, June 13

7:00-8:00 **Breakfast – Aramark will not be open for food service (weekend)** Counselors will provide breakfast for students (**Cereals, pop tarts, breakfast muffins, donuts, energy bars, juices, milk, water**) **Willie Griffin—(423) 930-6951** as driver

	<h2 style="color: blue; text-decoration: underline;">Pisgah National Forest</h2> <h3 style="color: blue;">Agenda for Governor's School Visit</h3>
<p>The Pisgah National Forest is a land of mile-high peaks, cascading waterfalls, and heavily forested slopes. Comprised of over 500,000 acres, the Pisgah is primarily a hardwood forest with whitewater rivers, waterfalls and hundreds of miles of trails. This national forest is home of the first tract of land purchased under the Weeks Act of 1911 which led to the creation of the national forests in the eastern United States. It is also home of the first school of forestry in the United States, now preserved at the Cradle of Forestry in America historic site, and boasts two of the first designated wilderness areas in the east. The Pisgah, Grandfather and Appalachian Ranger Districts are scattered along the eastern edge of the mountains of western North Carolina and offer visitors a variety of opportunities for outdoor recreation and enjoying the natural beauty of the mountains.</p>	
8:15am	Bus leaves Luntsford Hall for Pisgah National Forest (Willie Griffin—423-329-4360 as driver)
	Nature Walk - the history of area fauna and flora
	Lunch on Site at park {sandwiches, various chips, drinks, cookies}
	Jennifer Bauer- Roan Mountain historian and author will be group guide (423-957-1391 or 423-772-4772) highlandlady53@embarqmail.com
4:30pm	Return to ETSU and Luntsford Hall

5:30-6:30 **Dinner- Aramark will not be open for food service (weekend)** Counselors will provide dinner for students (**Local Restaurant**)

6:30-10:00 *Activities with counselors*

10:00 Students must be in dorm
10:30 Lights out for students,
11:00 Residential Staff Meeting

Sunday, June 14

8:00-9:00 **Breakfast – Aramark will not be open for food service (weekend)** Counselors will provide breakfast for students (**Cereals, pop tarts, breakfast muffins, donuts, energy bars, juices, milk, water**)

10:00-10:00 **Family Day**, students may go off campus with parents.

11:30-12:30 **Lunch— Aramark will not be open for food service (weekend)** Counselors will get lunch

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis

Sunday, May 24th, through Friday, June 26th, 2015

for students who will be remaining on campus (**PICNIC- Sandwiches- various, chips, drinks, cookies- students, counselors**)

5:30- 6:30 **Dinner— Aramark will not be open for food service (weekend)** Counselors will provide dinner for students (**Local Restaurant**)

Library is open 2:00-10:00 pm

10:00 Students must be in dorm

10:30 Lights out for students,

11:00 Residential Staff Meeting

Monday, June 15

8:00-9:00 **Breakfast –** Culp Center Cafeteria (*Students & Counselors*)

9:00-11:30 **Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)**

11:30-1:00 **Lunch--** Culp Center Cafeteria (*Students & Counselors*)

1:00-4:00 **General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)**

"Research in Action: Experimental Design Class"

4:00-5:00pm	<i>"Tardigrades: From Inner Space to Outer Space" with Dr. Diane Nelson in Brown Hall Room #212 (jandnelson@yahoo.com)</i>
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5:00-6:00 **Dinner –** Culp Center Cafeteria (*Students & Counselors*)

6:00-8:30 Activities with counselors

8:30-10:00 **Open Time—**Library is open until 10:00.

10:00 Students must be in dorm

10:30 Lights out for students,

11:00 Residential Staff Meeting



Tuesday, June 16

8:00-9:00 **Breakfast –**Culp Center Cafeteria (*students, counselors, professors*)

9:00-11:30 **Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)**

11:30-12:15 **Lunch --**Culp Center Cafeteria (*Students & Counselors*)

12:30-5:00 Counselors and students will meet Dr. Rhoton in front of Luntsford Hall and walk to the Quillen College of Medicine.

		<p>Itinerary for Governor's School Visit to Quillen College of Medicine</p>
<p>The primary mission of the Quillen College of Medicine is to educate future physicians, especially those with an interest in primary care, to practice in underserved rural communities. In addition, the College is committed to excellence in biomedical research and is dedicated to the improvement of health care in Northeast Tennessee and the surrounding Appalachian Region. The Quillen College of Medicine has an experienced and qualified faculty in the biological, behavioral, and clinical sciences. In addition to the full-time faculty, a number of practicing physicians in the community participate in the educational process as both part-time and volunteer faculty.</p>		
1:00pm	<i>Students arrive at Stanton-Gerber</i>	<i>Dr. Robinson will meet and take to small auditorium.</i>
1:10pm	<i>Welcome- Dr. Robinson</i>	
1:15-1:50pm	<i>Tours of Research Labs</i> <i>GROUP A- Dr. Robinson</i> <i>Group B- Dr. Frazier</i> <i>Return to small auditorium</i>	
2:00pm	<i>Preparation for Gross and HPS Lab tours</i> <i>Group A- Tour of human gross anatomy lab</i> <i>Group B- Human patient simulator demonstration</i> <i>Return to small auditorium</i>	
3:00- 4:30pm	<i>Group A- Human patient simulator demonstration</i> <i>Group B- Tour of human gross anatomy lab</i>	
4:30-5:00pm	<i>Return to small auditorium and depart for ETSU</i>	

5:30-6:30 **Dinner—**Culp Center Cafeteria (*Students & Counselors*)

6:30-8:30 Work on Projects / Study Time

8:30-10:00 Activities with counselors

10:00 Students must be in dorm




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Sunday, May 24th, through Friday, June 26th, 2015

10:30 Lights out for students
11:00 Residential Staff Meeting

Wednesday, June 17

7:45-8:30 Breakfast – Culp Center Cafeteria (*Students & Counselors*)
9:00am depart Meet Washington County School bus in front of Luntsford Hall (Willie Griffin—(423) 930-6951 as driver) to leave for **Field Trip** to Aerojet/Rocketdyne

		
<p>Itinerary for Governor's School Visit to AEROJET FACILITIES in Jonesborough, TN</p>		

AEROJET, a GenCorp Inc. (NYSE:GE) company, is a major space and defense contractor specializing in missile and space propulsion, and defense and armaments. Since the company was founded in 1942, it has led the way in the development of crucial technology and products that have kept America strong and furthered human's exploration of space.

9:30am	Students arrive at Aerojet Rocketdyne Facility Visitor's Center- Check in at Guardhouse & Pick up badges
9:45am	Welcome- Introductions to Staff
10:00am	Presentation about Aerojet/Rocketdyne
10:30am	Facility Tour/Group Activities (Break into 3 groups)
12:00pm	Lunch- Question and Answer Session
1:00pm	Depart Aerojet Rocketdyne Facility

1:45 Arrive back at **Luntsford Hall** (tentatively)
2:00-5:30 Work on Projects/ study time
5:30-6:30 **Dinner-** Culp Center Cafeteria (*Students & Counselors*)
6:30-8:30 **Project Group Work** Brown Hall 223
8:30-10:00 **Open Time**—Library is open until 10:00pm
10:00 Students must be in dorm
10:30 Lights out for students,
11:00 Residential Staff Meeting

Thursday, June 18

8:00-9:00 Breakfast – Culp Center Cafeteria (*Students & Counselors*)
9:00-10:25 **Exam 2: MATH Exam in Gilbreath Hall room 306**
10:25-10:35 Break
10:35-12:00 **Exam 2: BIOLOGY Exam in DB Brown Hall room 216**
12:00-1:00 Lunch --Culp Center Cafeteria (*Students & Counselors*)
1:00-4:00 **General Biology for Majors--Lecture (Symbiosis) Brown Hall 223-- (Dr. Karl Joplin)**
4:00-5:30 Work on Projects /Study Time
5:30-6:30 **Dinner--**Culp Center Cafeteria (*Students & Counselors*)
7:00-10:00 **Open Time**—Library is open until 10:00
10:00 Students must be in dorm
10:30 Lights out for students,
11:00 Residential Staff Meeting

Friday, June 19

8:00-9:00 Breakfast – Culp Center Cafeteria (*Students & Counselors*)
9:00-11:30 **Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)**
11:30-1:00 Lunch-- Culp Center Cafeteria (*Students & Counselors*)
1:00-4:00 **General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)**
4:00-5:00 Work on Projects /Study Time
5:00-6:30 **Dinner –** Culp Center Cafeteria (*Students & Counselors*)
6:30-8:30 Project Group Work, Brown Hall 223
8:30-10:00 **Open Time**—Library is open until 10:00pm
10:00 Students must be in dorm
10:30 Lights out for students,

Schedule of Activities-- Governor's School Calendar for Scientific Models and Data Analysis


Sunday, May 24th, through Friday, June 26th, 2015

11:00 Residential Staff Meeting

Saturday, June 20

8:00-9:00 Breakfast – Aramark will not be open for food service (weekend) Counselors will provide breakfast for Student's (**Cereals, pop tarts, breakfast muffins, donuts, energy bars, juices, milk, water**)

9:30am depart Meet Washington County Bus (**Willie Griffin—(423) 930-6951 as driver**) at Luntsford Hall to leave for **Bays Mountain Park and Planetarium, Kingsport, TN**

	<h2 style="color: blue; text-decoration: underline;">Bays Mountain Park & Planetarium</h2> <h3 style="color: black;">Agenda for Governor's School Visit</h3>
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Bays Mountain Park, located in beautiful Kingsport, Tennessee, is a 3,550-acre nature preserve and the largest city-owned park in the state of Tennessee. Offering a variety of features, visitors to Bays Mountain Park can enjoy a picturesque 44-acre lake, a Nature Center with a state-of-the-art Planetarium Theater, Animal Habitats featuring wolves, bobcats, raptors and reptiles, and an Adventure Ropes Course complete with a 300-ft. zip line. Outdoor enthusiasts can take advantage of the park's 38 miles of trails for hiking, running, sight-seeing, exploration and mountain biking.

9:30am	Bus leaves Luntsford Hall for Bays Mountain Park & Planetarium
10:00-10:45am	Wolves Habitat
11:00-11:45am	Raptors Habitat
11:45-12:00pm	Lunch on Site (Sandwiches, various chips, drinks, cookies)
12:00-1:00pm	Barge Ride
1:00-1:30pm	Nature Center Exhibits
1:30-2:05pm	Planetarium
2:15-3:00pm	Snake Habitat
3:15-4:00pm	Lake macro Invertebrates
	Fred Hilton- Senior Naturalist will be group guide (423-229-9447) fredhilton@kingsporttn.gov
4:10pm	Leave Kingsport

	<h2 style="color: blue; text-decoration: underline;">The Carter Family Memorial Music Center</h2> <h3 style="color: black;">Agenda for Governor's School Visit</h3>
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The Carter Family Memorial Music Center, a non-profit organization, serves fans and supporters of old-time country and folk music through the presentation of weekly performances at the Carter Family Fold, in Hiltons, Virginia. It also honors the memory of the first family of country music, the legendary Carter Family (A.P. Carter, Sara Carter, and Maybelle Carter), whose first recordings (in 1927) are credited with giving birth to the commercial country music industry.

5:00-6:00pm	Dinner at a Local Restaurant
6:00pm	Depart for the Carter Family Fold
6:45pm	Arrive at Carter Family Fold
	Contact: Rita Forrester, Director of the Carter Fold (423-292-6755) or Susie (276-645-0035) http://www.carterfamilyfold.org
	\$10.00 per person x 34 persons = \$340.00 {Have check ready for lead counselor to take to the Carter Fold}. If you want to tour the Museum or the Cabin you will have to leave a donation.
7:00-10:00pm	Musical Show and Tour of Gift Shops
10:10pm	Leave Hilton's, VA and return to ETSU campus and Luntsford Hall

10:00 Students must be in dorm
 10:30 Lights out for students
 11:00 Residential Staff Meeting

Sunday, June 21

8:00-9:00 Breakfast – Aramark will not be open for food service (weekend) Counselors will provide breakfast for students (**Cereals, pop tarts, breakfast muffins, donuts, energy bars, juices,**

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	milk, water)
10:00-10:00	Family Day , students may go off campus with parents.
11:30-12:30	Lunch— Aramark will not be open for food service (weekend) Counselors will provide lunch for students who will be remaining on campus (PICNIC- Sandwiches- various, chips, drinks, water, cookies- students, counselors)
5:30- 6:30	Dinner— Aramark will not be open for food service (weekend) Counselors will provide dinner for students (Local Restaurant) Library is open from 2:00-10:00 pm
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Monday, June 22

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-10:00	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
10:00-11:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223-- (Dr. Karl Joplin)
11:00-12:00	Lunch --Culp Center Cafeteria (<i>Students & Counselors</i>)
12:00pm	Leave for field trip to Dr. Robert White's Organic Farm



Itinerary for Governor's School Visit to Dr. Robert White's Organic Farm

Organic farming methods combine scientific knowledge of ecology and modern [technology](#) with [traditional farming](#) practices based on naturally occurring biological processes. Organic farming methods are studied in the field of [agroecology](#). While conventional agriculture uses synthetic pesticides and water-soluble synthetically purified fertilizers, organic farmers are restricted by regulations to using natural pesticides and fertilizers. The principal methods of organic farming include [crop rotation](#), [green manures](#) and [compost](#), [biological pest control](#), and mechanical [cultivation](#). These measures use the natural environment to enhance agricultural productivity: [legumes](#) are planted to fix [nitrogen](#) into the soil, [natural insect predators](#) are encouraged, crops are rotated to confuse pests and renew soil, and natural materials such as [potassium bicarbonate](#)^[25] and [mulches](#) are used to control disease and [weeds](#). Hardier plants are generated through [plant breeding](#) rather than genetic engineering.

12:00pm	<i>Leave for Dr. White's Organic Farm</i>
1:00pm	<i>Arrive at farm and meet with Dr. White and his wife Wendee</i>
2:00pm	
2:30pm	
3:00pm	
4:00pm	
4:30pm	<i>Return to ETSU</i>

5:30-6:30	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-8:30	Planned Activities with Counselors
8:30-10:00	Open Time —Library is open until 10:00.
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Tuesday, June 23

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)
4:00-5:30	Work on Projects/study time
5:30-6:30	Dinner –Culp Center Cafeteria (<i>Students & Counselors</i>)

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6:30-9:00	Project Groups meet with faculty
9:00-10:00	Open Time —Library is open until 10:00
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Wednesday, June 24

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)
4:00-5:30	Group Work with Faculty
5:30-6:30	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-9:00	Finishing Touches on Projects
9:00-10:00	Open Time —Library is open until 10:00
10:00	Students must be in dorm
10:30	Lights out for students,
11:00	Residential Staff Meeting

Thursday, June 25

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-11:30	Probability and Statistics--Lecture, Gilbreath Hall 205-- (Dr. Nicole Lewis)
11:30-1:00	Lunch -- Culp Center Cafeteria (<i>Students & Counselors</i>)
1:00-4:00	General Biology for Majors--Lecture (Symbiosis) Brown Hall 223 -- (Dr. Karl Joplin)
4:00-5:30	Group Work with Faculty (Projects, posters, power-point presentations)
5:30-6:30	Dinner – Culp Center Cafeteria (<i>Students & Counselors</i>)
6:30-9:00	Finishing Touches on Projects
9:00-10:00	Open Time —Library is open until 10:00
10:00	Students must be in dorm
10:30	Lights out for students
11:00	Residential Staff Meeting

Friday, June 26

8:00-9:00	Breakfast – Culp Center Cafeteria (<i>Students & Counselors</i>)
9:00-9:30	Student preparation for presentation of projects to professors, parents, peers

Agenda for Governor's School Seminar Presentations and Closing Luncheon	
9:30-11:30am	Seminar -Poster Presentation, Site: Warf-Pickel Hall #315- contact Deidra Lawson Close to reserve Room 315 (439-6891) after March 17th, 2015
12:00-1:30pm	Closing Luncheon and Award Presentation, Site: Centre at Millennium Park (Ballroom 237-A) adjacent to the Carnegie Hotel-contact Summer Renner at the Centre at Millennium Park to reserve the ballroom (423-232-2001). Summer.renner@millctr.com

1:30-3:00	Students move out of the dorm. Counselors will be on hand to assist. Each student is responsible for the cleaning out of their room, including trash detail. If students have damaged their rooms in any way they (their parents) will be responsible for the renovations.
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While every effort has been made to make this schedule as complete and accurate as possible, adjustments might have to be made during the course of the five-week program. Two copies are included, one for your parents or guardian to keep and one to bring with you to ETSU.

ADDITIONAL COPIES WILL NOT BE DISTRIBUTED.

"Open Time" periods are for homework, research and free time. Your first priority should be academic. When homework and research are complete, you might want to do laundry, go to the Center of Physical Activity, hike, or just lounge around your dorm. Residential counselors will be at the dorm to help you or to check you in and out of the dorm. Counselors may also have group activities planned during this time.

"Family Day" Most Sundays have been set aside for families to visit students. Students will be allowed to leave campus with their parents or legal guardian. Students may leave with another adult if we have written permission from the parent or legal guardian which specifies day and name of the adult. Provision for meals and activities will be made for students remaining on campus.