

## 2019 BLAST Daily Schedule

<b>SUNDAY, JULY 28 (1:00 PM TEACHER MEETING AT ASTRONOMY BUILDING)</b>	
3:00 - 4:00 p.m.	Arrival and check-in (Shannon House, Alderman Road Dorm Area)
4:00 - 5:00 p.m.	Settle in to the dorms; students meet chaperone and roommate; team meeting at 4:30 pm
5:00 - 6:00 p.m.	Dinner (Observatory Hill Dining Hall)
6:15 - 9:30 p.m.	Evening Program (MEC 205) <ul style="list-style-type: none"> <li>• Welcome &amp; Orientation, Team Introductions and Icebreakers</li> <li>• Guest Speaker: NASA Astronaut (TBD)</li> <li>• Chemistry Extravaganza with U.Va. Chemistry LEAD</li> </ul>
9:30 p.m.	In Dorms
<b>MONDAY, JULY 29</b>	
7:00 - 8:15 a.m.	Breakfast (O-Hill Dining Hall)
8:30 - 11:30 a.m.	STEM Challenge Sessions (see reverse for locations)
11:30 - 12:15 p.m.	Lunch (O-Hill Dining Hall)
12:30 - 1:45 p.m.	Campus Tours: <ul style="list-style-type: none"> <li>• Groups 2,3,5,7 meet at Rotunda for U.Va. Tour (<b>leave O-Hill at 1:15</b>)</li> <li>• Groups 1,4,6,8 meet outside Rice Hall for Engineering School Tour</li> </ul>
2:00 - 5:00 p.m.	STEM Challenge Sessions (see reverse for locations)
5:15 - 6:00 p.m.	Dinner (O-Hill Dining Hall)
6:15 - 10:30 p.m.	Evening Program (MEC 205) <ul style="list-style-type: none"> <li>• 6:15-7:00 Careers self-assessment with Ed Murphy</li> <li>• 7:00-9:00 Tour of Aerospace Research Lab and Ice Cream Social</li> <li>• 9:00-10:30 McCormick Observatory</li> </ul>
10:30 p.m.	In Dorms
<b>TUESDAY, JULY 30</b>	
7:00-8:15 a.m.	Breakfast (O-Hill Dining Hall)
8:30-11:30 a.m.	STEM Challenge Sessions (see reverse for locations)
11:30-12:15 p.m.	Lunch (O-Hill Dining Hall)
12:30-1:45 p.m.	Campus Tours: <ul style="list-style-type: none"> <li>• Groups 1,4,6,8 meet at Rotunda for U.Va. Tour (<b>leave O-Hill at 1:15</b>)</li> <li>• Groups 2,3,5,7 meet outside Rice Hall for Engineering School Tour</li> </ul>
2:00-5:00 p.m.	STEM Challenge Sessions (see reverse for locations)
5:15-6:00 p.m.	Dinner (O-Hill Dining Hall)
6:15-8:30 p.m.	Evening Program (MEC 205) <ul style="list-style-type: none"> <li>• 6:15-7:30 STEM Panel with U.Va. students</li> <li>• 7:30-8:30 Physics Show (Physics 204)</li> </ul>
8:30-10:30 p.m.	Closing and Science Movie Night (MEC 205)
10:30 p.m.	In Dorms
<b>WEDNESDAY, JULY 31</b>	
7:00-8:30 a.m.	Breakfast (O-Hill Dining Hall)
By 9:30 a.m.	Parental pick-up and departure (Shannon House, Alderman Road Dorm Area)

## 2019 BLAST Daily Schedule

### STEM Challenge Sessions

The 10-person student teams will rotate through these sessions during the two full days of the camp. Students will always work with the same 10-person team, but, for each session, two teams of 10 will be paired. See below for the rotations.

- Epidemic!: Students use the techniques of DNA forensics to determine the origin of bacteria.
- Trash Sliders: Design and build a vehicle made from trash to run an obstacle course.
- Mars Rover: Design and build a remotely operated robot to explore Mars math.
- Poisoned Kool-Aid Challenge: Conduct experiments to discover what's in a mysterious liquid

	<b>TRASH SLIDERS</b> <b>RICE 120</b>	<b>MARS ROVER</b> <b>OMERF BUILDING</b>	<b>EPIDEMIC!</b> <b>GILMER 150</b>	<b>POISONED</b> <b>KOOL-AID</b> <b>CHEMISTRY 344</b>
Monday morning	Groups <u>1</u> & 2	Groups 3 & <u>4</u>	Groups <u>5</u> & 6	Groups <u>7</u> & 8
Monday afternoon	Groups <u>3</u> & 5	Groups 1 & <u>8</u>	Groups <u>2</u> & 7	Groups 4 & <u>6</u>
Tuesday morning	Groups 4 & <u>7</u>	Groups <u>2</u> & 6	Groups 3 & <u>8</u>	Groups <u>1</u> & 5
Tuesday afternoon	Groups <u>6</u> & 8	Groups <u>5</u> & 7	Groups 1 & <u>4</u>	Groups 2 & <u>3</u>

\*The teacher chaperone for the underlined group should be the active teacher for that session.

### Monday Evening at McCormick Observatory

Groups 1,4,5,7

7:00 p.m. Bus from Rice Hall to Aerospace Research Lab

7:15 – 7:55 p.m. Tour Aerospace Research Lab

7:55 - 8:00 p.m. Bus to McCormick Observatory

8:00 - 8:25 p.m. Ice cream social

8:25 - 9:10 p.m. Black Holes presentation by Shane Davis

9:15 - 10:00 p.m. Observing through telescope (weather permitting)

10:15 p.m. Bus to Alderman Road bus stop near Tree House Drive

Groups 2,3,6,8

7:15 p.m. Bus from Rice Hall to McCormick Observatory

7:30 - 8:00 p.m. Ice Cream Social

8:00 - 8:05 p.m. Bus to Aerospace Research Lab

8:05 - 8:50 p.m. Tour of Aerospace Research Lab

8:50 - 8:55 p.m. Bus to McCormick Observatory

9:00 - 9:15 p.m. Observing through telescopes (weather permitting)

9:15 - 10:00 p.m. Black Holes presentation by Shane Davis

10:00 - 10:25 p.m. Observing through telescope (weather permitting)

10:25 p.m. Bus to Alderman Road bus stop near Tree House Drive