

UNIVERSITY PROGRAMS

Lakeland Regional High School

Bio-Medical &



Research Science

The **UPAL** programs at Lakeland are a specially designed set of curricula for highly-motivated students that seek academic challenges, a specific focus of study and a dedicated faculty that engage students with not only enlightenment, but also real-world relevance.



Common Themes

The **UPAL** curricula are devised around a set of common themes, which are:

- ☐ Collaboration

- ☐ Problem-solving
- ☐ Critical-thinking
- ☐ Research
- ☐ Technology

These themes represent the hallmarks of a modern, 21st. century education preparing students not just for college, but for life beyond college. With teachers using creative and innovative approaches to lessons, students will be engaged in their studies, analyze the information from multiple perspectives, and be capable of developing solutions to real-world problems.

Bio-Medical & Research Science

The aim of Lakeland's Bio-Medical Research Science Program is to encourage students to develop and maintain an interest in science and train these young people in the art and discipline of scientific investigation. By engaging students in an original scientific research experience they can begin to think like scientists and hone the analytical skills which are necessary in this field. As their analytical skills develop they will participate in the scientific community by analyzing their own original experimental data. The Senior Capstone is presentation of their data at a professional scientific symposium. This exploratory experience will prepare students for Internships Senior year, if they choose to do so.

<i>Grade 9</i>
English 9
Physical Education/Health
Mathematics
Biology Honors
World Language
World History
Lunch
Study Hall
Science Research 1 (H)
Elective

<i>Grade 10</i>
English 10
Physical Education/Health
Mathematics
Chemistry Honors
World Language
U.S. History 1
Lunch
Study Hall
Science Research 2 (H)
Elective

<i>Grade 11</i>
English 11
Physical Education/Health
Mathematics
Physics 2 Honors
World Language or elective
U.S. History 2
Lunch
Study Hall
Suggested: Anatomy & Physiology PCCC, *Topics in Diseases, Research 3 (H) or AP course
Personal Financial Literacy/ Computer Applications

**course may be offered alternating years*



<i>Grade 12</i>
English 12
Physical Education/Health
Mathematics
AP Biology or Chemistry, *Topics in Diseases
World Language or elective
Personal Financial Literacy
Lunch
Study Hall
Elective= Intro. to Philosophy, Internship

Admissions Criteria

- ☐ Student interest and commitment to program
- ☐ Academic grades of "B" or better in middle school

Admissions Process

- ☐ Applications available online at **www.Lakeland.K12.nj.us**
UPAL Application link
- ☐ Same application for all UPAL Programs
- ☐ Indicate first and second choice on application
- ☐ Parent endorsement paperwork must be completed

Submit application via e-mail:

UPAL@Lakeland.k12.nj.us

Primary Deadline for Application:

LAST Friday of January @ 4:00 PM