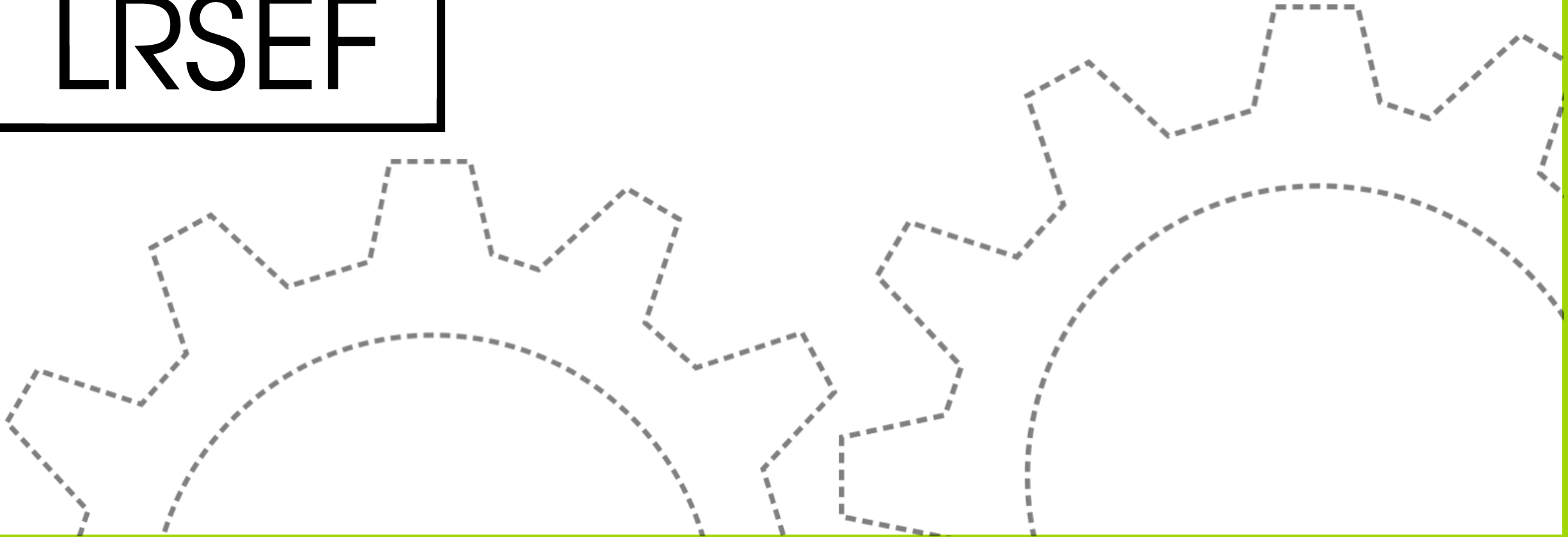


LRSEF

JUDGING COMMITTEE AND JUDGING PROCEDURES



JUDGING COMMITTEE

- Recruits people with STEM expertise to volunteer their time with LRSEF.
- People with academic qualifications are recruited to serve on fair day as judges for all ISEF categories and for Special Awards.

JUDGING COMMITTEE CHAIR

- The Committee Chair is responsible for
 - judge orientation
 - supervising all judges on the day of the fair
 - compiling the results in an unbiased manner

FAIR DAY SCHEDULE (MORNING)

- 7:30 – 9:00 a.m.
 - LRSEF sign-in and setup
- 9:00 – 11:30 a.m.
 - AM judging in progress on 2nd and 3rd floors
- 11:30 – 12:30 p.m.
 - All 2nd and 3rd floor galleries are open to the public
- (Afternoon schedule on next slide)

FAIR DAY SCHEDULE (AFTERNOON)

- 12:30 – 3:00 p.m.
 - PM judging in progress on 2nd and 3rd floors
- 4:00 – 5:15 p.m.
 - 4:00 – 4:45 p.m. Senior award ceremony- 3rd floor theater
 - 4:15 – 5:15 p.m. Junior award ceremony- 4th floor Riverview room

22 ISEF CATEGORIES

- Animal Sciences
- Behavioral and Social Sciences
- Biochemistry
- Biomedical and Health Sciences
- Biomedical Engineering
- Cellular and Molecular Biology
- Chemistry
- Computational Biology and Bioinformatics
- Earth and Environmental Sciences
- Embedded Systems
- Energy: Chemical
- Energy: Physical
- Engineering Mechanics
- Environmental Engineering
- Material Science
- Mathematics
- Microbiology
- Physics and Astronomy
- Plant Science
- Robotics and Intelligent Machines
- Systems Software
- Translational Medical Science

MORNING JUDGING PROCEDURE

- Same procedure as previous years
 - Rank the top three projects in each category
 - Senior and junior divisions
 - Head morning category judge turns in score sheet
- Judges will also state...
 - If project is "not satisfactory" for afternoon judging
 - There are 22 categories- statistically likely that top projects within a small category (especially junior) are not qualified for afternoon judging
 - If project is "not satisfactory" for state competition

AFTERNOON JUDGING: OVERVIEW

- Aid in determining the 'last projects' that will advance to state
 - Determine three 3rd place projects (of 22) to advance to state (both junior & senior)
- Additional miscellaneous assignments
 - Help with special awards, 'tie breakers', etc.

AFTERNOON JUDGING: BREAKDOWN

- Two rounds of afternoon judging (A1, A2)
- First place in each category (from morning judging) are judged in afternoon
- 22 categories are divided into four clusters
 - Round A1: Determine top project(s) in cluster (4 to 8)
 - Round A2: Determine top project from A1 finalists

THE FOUR CLUSTERS

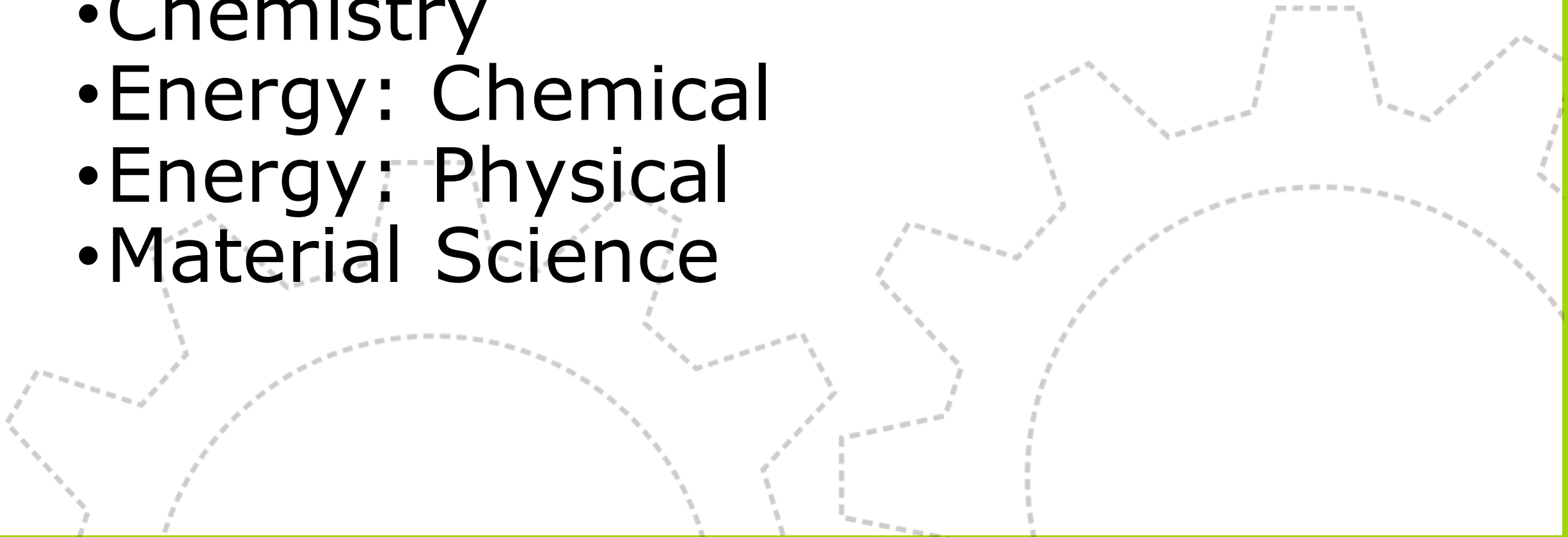
1. Biology and Health
 2. Chemistry and Energy
 3. Physics and Engineering
 4. Systems
- Subject to change day of fair

BIOLOGY AND HEALTH

- Animal Sciences
- Biomedical and Health Sciences
- Cellular and Molecular Biology
- Microbiology
- Plant Science
- Translational Medical Science

CHEMISTRY AND ENERGY

- Biochemistry
- Chemistry
- Energy: Chemical
- Energy: Physical
- Material Science



PHYSICS AND ENGINEERING

- Earth and Environmental Sciences
- Embedded Systems
- Engineering Mechanics
- Environmental Engineering
- Physics and Astronomy
- Biomedical Engineering

SYSTEMS

- Behavioral and Social Sciences
- Computational Biology and Bioinformatics
- Mathematics
- Robotics and Intelligent Machines
- Systems Software

AFTERNOON SESSION: ROUND A1

- 12:30 – 1:30 p.m. (60 min.)
 - Judge timing:
 - About 10 min per project + 10 min panel discussion
- Rank projects (1 through 5 or 6) within cluster
 - Option to identify 'very close' projects within the rank (ex: 1st and 2nd 'tied')
 - Will narrow down top 20 category winners
 - 4 (minimum) or up to 8 projects (no more!)
 - Numerical scores still provided by each judge
 - Scoring format is same as last year (ISEF scale)

AFTERNOON SESSION: ROUND A2

- 1:30 – 3:00 p.m. (90 min.)
 - Judge timing:
 - 19 min per project (4 projects)
 - 12.5 min per project (6 projects)
 - 9 min per project (8 projects)
 - 15 min panel discussion
 - Rank (1 through “X”) top overall projects
 - Numerical ISEF scores collected
 - We need to identify top 5 for prizes
 - Also need to identify top 4 (+3 alternates) for ISEF

SPECIAL AWARDS

- Can be judged at any point in the day (morning or afternoon sessions)

