

CT SCIENCE AND ENGINEERING FAIR

CT SCIENCE AND ENGINEERING FAIR REPRESENTS A PIVOTAL EVENT THAT SHOWCASES THE CREATIVITY, INNOVATION, AND SCIENTIFIC PROWESS OF STUDENTS ACROSS CONNECTICUT. THIS ANNUAL COMPETITION PROVIDES A PLATFORM FOR YOUNG SCIENTISTS AND ENGINEERS TO PRESENT THEIR RESEARCH PROJECTS, GAIN RECOGNITION, AND COMPETE FOR SCHOLARSHIPS AND OTHER PRESTIGIOUS AWARDS. THE FAIR IS A VITAL PART OF THE EDUCATIONAL LANDSCAPE, ENCOURAGING STEM EDUCATION AND FOSTERING A PASSION FOR SCIENCE AND ENGINEERING AMONG STUDENTS FROM MIDDLE SCHOOL THROUGH HIGH SCHOOL. PARTICIPANTS ENGAGE IN RIGOROUS SCIENTIFIC INQUIRY, DEVELOP CRITICAL THINKING SKILLS, AND INTERACT WITH JUDGES WHO ARE EXPERTS IN VARIOUS SCIENTIFIC FIELDS. THIS ARTICLE DELVES INTO THE HISTORY, STRUCTURE, JUDGING CRITERIA, BENEFITS, AND WAYS TO PARTICIPATE IN THE CT SCIENCE AND ENGINEERING FAIR. ADDITIONALLY, IT HIGHLIGHTS THE IMPACT OF THE FAIR ON STUDENTS' ACADEMIC AND PROFESSIONAL FUTURES.

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OVERVIEW OF THE CT SCIENCE AND ENGINEERING FAIR

THE CT SCIENCE AND ENGINEERING FAIR (CTSEF) IS THE PREMIER SCIENCE COMPETITION IN CONNECTICUT, ATTRACTING TALENTED STUDENTS WHO DEMONSTRATE EXCELLENCE IN SCIENTIFIC RESEARCH AND ENGINEERING DESIGN. EACH YEAR, THE FAIR DRAWS HUNDREDS OF PARTICIPANTS FROM SCHOOLS STATEWIDE, OFFERING THEM AN OPPORTUNITY TO DISPLAY THEIR INNOVATIVE PROJECTS TO A PANEL OF PROFESSIONAL JUDGES. THE EVENT SERVES AS A BRIDGE BETWEEN EDUCATION AND REAL-WORLD SCIENTIFIC INQUIRY, INSPIRING STUDENTS TO PURSUE CAREERS IN STEM FIELDS. IT IS ORGANIZED BY DEDICATED EDUCATORS AND SUPPORTED BY LOCAL SCIENTIFIC COMMUNITIES, PROVIDING A HIGHLY RESPECTED PLATFORM FOR YOUNG RESEARCHERS.

HISTORY AND MISSION

THE CT SCIENCE AND ENGINEERING FAIR HAS A RICH HISTORY DATING BACK SEVERAL DECADES, EVOLVING FROM LOCAL SCHOOL COMPETITIONS INTO A STATEWIDE EVENT. ITS MISSION IS TO PROMOTE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS EDUCATION BY ENCOURAGING INQUIRY, INVESTIGATION, AND INNOVATION AMONG STUDENTS. THE FAIR AIMS TO CULTIVATE A LIFELONG INTEREST IN SCIENTIFIC EXPLORATION WHILE RECOGNIZING OUTSTANDING ACHIEVEMENTS IN RESEARCH. IT ALSO SERVES TO CONNECT STUDENTS WITH MENTORS, EDUCATORS, AND INDUSTRY PROFESSIONALS, FOSTERING A COLLABORATIVE ENVIRONMENT THAT SUPPORTS ACADEMIC GROWTH AND DISCOVERY.

ELIGIBILITY AND PARTICIPATION

PARTICIPATION IN THE CT SCIENCE AND ENGINEERING FAIR IS OPEN TO STUDENTS ENROLLED IN GRADES 6 THROUGH 12 WHO RESIDE OR ATTEND SCHOOL IN CONNECTICUT. STUDENTS TYPICALLY QUALIFY THROUGH REGIONAL OR SCHOOL-LEVEL SCIENCE FAIRS BEFORE ADVANCING TO THE STATE COMPETITION. BOTH INDIVIDUAL AND TEAM PROJECTS ARE ACCEPTED, WITH SPECIFIC GUIDELINES TO ENSURE FAIRNESS AND CONSISTENCY. THE FAIR ENCOURAGES DIVERSE PARTICIPATION FROM VARIOUS SCHOOLS, INCLUDING PUBLIC, PRIVATE, AND HOME-SCHOOLED STUDENTS, PROMOTING INCLUSIVITY ACROSS THE STATE.

QUALIFICATION PROCESS

STUDENTS MUST FIRST COMPETE IN AFFILIATED REGIONAL FAIRS TO EARN A SPOT IN THE CT SCIENCE AND ENGINEERING FAIR. THESE PRELIMINARY COMPETITIONS EVALUATE PROJECTS BASED ON SCIENTIFIC MERIT AND ADHERENCE TO ETHICAL STANDARDS. ONCE QUALIFIED, PARTICIPANTS REGISTER FOR THE STATE FAIR AND PREPARE TO PRESENT THEIR WORK TO JUDGES AND THE PUBLIC.

REGISTRATION REQUIREMENTS

REGISTRATION INVOLVES SUBMITTING DETAILED PROJECT ABSTRACTS, RESEARCH PLANS, AND NECESSARY APPROVAL FORMS, ESPECIALLY IF PROJECTS INVOLVE HUMAN SUBJECTS, ANIMALS, OR HAZARDOUS MATERIALS. ADHERENCE TO ETHICAL GUIDELINES AND SAFETY PROTOCOLS IS MANDATORY, ENSURING THAT ALL RESEARCH COMPLIES WITH ESTABLISHED SCIENTIFIC STANDARDS.

PROJECT CATEGORIES AND RULES

THE CT SCIENCE AND ENGINEERING FAIR ACCOMMODATES A WIDE RANGE OF SCIENTIFIC DISCIPLINES AND ENGINEERING FIELDS. CATEGORIES INCLUDE BIOLOGICAL SCIENCES, PHYSICAL SCIENCES, ENVIRONMENTAL SCIENCE, COMPUTER SCIENCE, MATHEMATICS, ENGINEERING, AND BEHAVIORAL AND SOCIAL SCIENCES. EACH CATEGORY HAS SPECIFIC CRITERIA AND RULES DESIGNED TO GUIDE STUDENTS IN PROJECT DEVELOPMENT AND PRESENTATION.

SCIENTIFIC DISCIPLINES

- **BIOLOGICAL SCIENCES:** PROJECTS RELATED TO LIFE SCIENCES, INCLUDING GENETICS, MICROBIOLOGY, AND ECOLOGY.
- **PHYSICAL SCIENCES:** STUDIES INVOLVING PHYSICS, CHEMISTRY, AND ASTRONOMY.
- **ENGINEERING:** DESIGN AND CONSTRUCTION OF DEVICES OR PROCESSES THAT SOLVE PRACTICAL PROBLEMS.
- **COMPUTER SCIENCE:** SOFTWARE DEVELOPMENT, ALGORITHMS, AND DATA ANALYSIS PROJECTS.
- **ENVIRONMENTAL SCIENCE:** RESEARCH ON ECOSYSTEMS, CONSERVATION, AND SUSTAINABILITY.
- **MATHEMATICS:** THEORETICAL AND APPLIED MATH INVESTIGATIONS.
- **BEHAVIORAL AND SOCIAL SCIENCES:** STUDIES RELATED TO PSYCHOLOGY, SOCIOLOGY, AND HUMAN BEHAVIOR.

RULES AND REGULATIONS

ALL PROJECTS MUST COMPLY WITH THE CTSEF RULES, INCLUDING ETHICAL CONSIDERATIONS AND SAFETY REQUIREMENTS. PARTICIPANTS ARE REQUIRED TO FOLLOW THE GUIDELINES SET FORTH BY THE INSTITUTIONAL REVIEW BOARD (IRB) AND INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC) WHEN APPLICABLE. PROJECTS INVOLVING HAZARDOUS MATERIALS

OR PROCEDURES NEED PRIOR APPROVAL AND SUPERVISION.

JUDGING PROCESS AND CRITERIA

JUDGING AT THE CT SCIENCE AND ENGINEERING FAIR IS CONDUCTED BY A PANEL OF EXPERTS DRAWN FROM ACADEMIA, INDUSTRY, AND RESEARCH INSTITUTIONS. THE EVALUATION PROCESS IS THOROUGH AND OBJECTIVE, FOCUSING ON MULTIPLE ASPECTS OF EACH PROJECT TO ENSURE FAIR COMPARISON ACROSS DIVERSE DISCIPLINES.

EVALUATION CRITERIA

- **SCIENTIFIC THOUGHT:** DEPTH OF UNDERSTANDING, HYPOTHESIS FORMULATION, AND EXPERIMENTAL DESIGN.
- **CREATIVITY:** ORIGINALITY AND INNOVATION DEMONSTRATED IN THE PROJECT.
- **THOROUGHNESS:** COMPLETENESS OF RESEARCH, DATA COLLECTION, AND ANALYSIS.
- **SKILL:** TECHNICAL PROFICIENCY AND METHODOLOGY USED IN THE PROJECT.
- **CLARITY:** PRESENTATION SKILLS, INCLUDING THE QUALITY OF DISPLAY BOARDS AND ORAL EXPLANATIONS.
- **INTERPRETATION:** ABILITY TO DRAW CONCLUSIONS SUPPORTED BY EVIDENCE.

JUDGING FORMAT

JUDGES INTERVIEW PARTICIPANTS TO ASSESS THEIR UNDERSTANDING AND INVOLVEMENT IN THE PROJECT. THE PROCESS INCLUDES REVIEWING RESEARCH NOTEBOOKS, EXAMINING THE PROJECT DISPLAY, AND LISTENING TO PRESENTATIONS. THIS INTERACTIVE APPROACH ALLOWS JUDGES TO GAUGE THE STUDENT'S SCIENTIFIC REASONING AND COMMUNICATION SKILLS.

AWARDS AND RECOGNITION

THE CT SCIENCE AND ENGINEERING FAIR OFFERS A VARIETY OF AWARDS TO HONOR OUTSTANDING STUDENT ACHIEVEMENTS. THESE AWARDS RECOGNIZE EXCELLENCE ACROSS MULTIPLE CATEGORIES AND LEVELS OF PARTICIPATION, MOTIVATING STUDENTS TO EXCEL IN THEIR SCIENTIFIC ENDEAVORS.

TYPES OF AWARDS

- **GRAND AWARDS:** TOP HONORS GIVEN TO THE BEST OVERALL PROJECTS.
- **CATEGORY AWARDS:** RECOGNITION FOR OUTSTANDING PROJECTS WITHIN SPECIFIC SCIENTIFIC FIELDS.
- **SPECIAL AWARDS:** SPONSORED BY ORGANIZATIONS AND COMPANIES, THESE AWARDS OFTEN INCLUDE SCHOLARSHIPS, INTERNSHIPS, OR EQUIPMENT.
- **HONORABLE MENTIONS:** ACKNOWLEDGMENT OF NOTEWORTHY PROJECTS THAT DEMONSTRATE STRONG SCIENTIFIC MERIT.

ADVANCEMENT OPPORTUNITIES

WINNERS AT THE CT SCIENCE AND ENGINEERING FAIR MAY QUALIFY TO REPRESENT CONNECTICUT AT NATIONAL AND INTERNATIONAL COMPETITIONS, SUCH AS THE INTEL INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF). THIS EXPOSURE PROVIDES STUDENTS WITH INVALUABLE OPPORTUNITIES TO NETWORK AND GAIN RECOGNITION BEYOND THE STATE LEVEL.

PREPARATION TIPS FOR PARTICIPANTS

SUCCESS AT THE CT SCIENCE AND ENGINEERING FAIR REQUIRES CAREFUL PLANNING, RESEARCH, AND PRESENTATION SKILLS. STUDENTS ARE ENCOURAGED TO START EARLY, SELECT A MEANINGFUL TOPIC, AND SEEK MENTORSHIP FROM TEACHERS OR PROFESSIONALS. EFFECTIVE TIME MANAGEMENT AND ADHERENCE TO GUIDELINES ARE CRUCIAL FOR A POLISHED FINAL PROJECT.

RESEARCH PLANNING

DEVELOPING A CLEAR HYPOTHESIS AND DETAILED RESEARCH PLAN SETS THE FOUNDATION FOR A STRONG PROJECT. STUDENTS SHOULD DOCUMENT EACH STEP OF THEIR PROCESS METICULOUSLY TO DEMONSTRATE SCIENTIFIC RIGOR.

PRESENTATION SKILLS

PREPARING AN ENGAGING AND INFORMATIVE DISPLAY BOARD, ALONG WITH PRACTICING ORAL PRESENTATIONS, HELPS STUDENTS COMMUNICATE THEIR FINDINGS EFFECTIVELY. CLEAR VISUALS AND CONCISE EXPLANATIONS ENHANCE JUDGES' UNDERSTANDING AND APPRECIATION OF THE WORK.

ETHICAL COMPLIANCE

UNDERSTANDING AND FOLLOWING ETHICAL RULES ENSURES THAT PROJECTS MEET SAFETY STANDARDS AND ARE ELIGIBLE FOR COMPETITION. THIS INCLUDES OBTAINING NECESSARY APPROVALS AND MAINTAINING TRANSPARENCY THROUGHOUT THE RESEARCH PROCESS.

IMPACT AND BENEFITS OF THE FAIR

PARTICIPATION IN THE CT SCIENCE AND ENGINEERING FAIR OFFERS NUMEROUS EDUCATIONAL AND PERSONAL BENEFITS. IT NURTURES CRITICAL THINKING, PROBLEM-SOLVING ABILITIES, AND SCIENTIFIC LITERACY, WHICH ARE ESSENTIAL SKILLS FOR FUTURE ACADEMIC AND CAREER SUCCESS. THE FAIR ALSO PROMOTES CONFIDENCE AND PUBLIC SPEAKING SKILLS BY REQUIRING STUDENTS TO PRESENT THEIR WORK TO EXPERTS AND PEERS.

ACADEMIC ADVANCEMENT

STUDENTS GAIN RECOGNITION THAT CAN ENHANCE COLLEGE APPLICATIONS AND ACCESS TO SCHOLARSHIPS. THE EXPERIENCE OF CONDUCTING REAL SCIENTIFIC RESEARCH PROVIDES A COMPETITIVE EDGE IN STEM-RELATED FIELDS.

NETWORKING AND MENTORSHIP

THE FAIR CONNECTS PARTICIPANTS WITH PROFESSIONALS AND EDUCATORS WHO CAN PROVIDE VALUABLE GUIDANCE AND SUPPORT. THESE RELATIONSHIPS OFTEN LEAD TO RESEARCH OPPORTUNITIES AND CAREER DEVELOPMENT.

INSPIRATION AND MOTIVATION

ENGAGING IN THE CT SCIENCE AND ENGINEERING FAIR INSPIRES STUDENTS TO PURSUE LIFELONG LEARNING AND INNOVATION. IT FOSTERS A COMMUNITY OF YOUNG SCIENTISTS DEDICATED TO EXPLORING AND SOLVING COMPLEX PROBLEMS.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE CT SCIENCE AND ENGINEERING FAIR?

THE CT SCIENCE AND ENGINEERING FAIR IS AN ANNUAL EVENT IN CONNECTICUT THAT SHOWCASES INNOVATIVE SCIENCE AND ENGINEERING PROJECTS FROM MIDDLE AND HIGH SCHOOL STUDENTS ACROSS THE STATE.

WHO CAN PARTICIPATE IN THE CT SCIENCE AND ENGINEERING FAIR?

STUDENTS IN GRADES 6 THROUGH 12 ATTENDING SCHOOLS IN CONNECTICUT ARE ELIGIBLE TO PARTICIPATE IN THE CT SCIENCE AND ENGINEERING FAIR, SUBMITTING PROJECTS IN VARIOUS SCIENTIFIC AND ENGINEERING CATEGORIES.

WHEN IS THE CT SCIENCE AND ENGINEERING FAIR USUALLY HELD?

THE CT SCIENCE AND ENGINEERING FAIR IS TYPICALLY HELD IN THE SPRING, AROUND MARCH OR APRIL, THOUGH EXACT DATES CAN VARY EACH YEAR.

HOW ARE PROJECTS EVALUATED AT THE CT SCIENCE AND ENGINEERING FAIR?

PROJECTS ARE EVALUATED BY A PANEL OF JUDGES BASED ON CRITERIA SUCH AS SCIENTIFIC THOUGHT, ORIGINALITY, THOROUGHNESS, SKILL, AND CLARITY OF PRESENTATION.

WHAT OPPORTUNITIES DO WINNERS OF THE CT SCIENCE AND ENGINEERING FAIR RECEIVE?

WINNERS OFTEN RECEIVE SCHOLARSHIPS, AWARDS, AND THE CHANCE TO REPRESENT CONNECTICUT AT THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF) OR OTHER NATIONAL COMPETITIONS.

ARE THERE ANY VIRTUAL PARTICIPATION OPTIONS FOR THE CT SCIENCE AND ENGINEERING FAIR?

DUE TO EVOLVING CIRCUMSTANCES, SOME EDITIONS OF THE CT SCIENCE AND ENGINEERING FAIR HAVE OFFERED VIRTUAL OR HYBRID PARTICIPATION OPTIONS TO ACCOMMODATE STUDENTS WHO CANNOT ATTEND IN PERSON.

HOW CAN STUDENTS PREPARE TO COMPETE IN THE CT SCIENCE AND ENGINEERING FAIR?

STUDENTS CAN PREPARE BY SELECTING A STRONG RESEARCH TOPIC, FOLLOWING THE SCIENTIFIC METHOD, DOCUMENTING THEIR WORK THOROUGHLY, PRACTICING THEIR PRESENTATION SKILLS, AND SEEKING MENTORSHIP FROM TEACHERS OR PROFESSIONALS.

ADDITIONAL RESOURCES

1. *CT SCIENCE AND ENGINEERING FAIR: A COMPREHENSIVE GUIDE*

THIS BOOK SERVES AS AN ESSENTIAL RESOURCE FOR STUDENTS PREPARING TO PARTICIPATE IN THE CONNECTICUT SCIENCE AND ENGINEERING FAIR. IT COVERS EVERYTHING FROM SELECTING A PROJECT TOPIC TO PRESENTING RESEARCH FINDINGS EFFECTIVELY. READERS WILL FIND TIPS ON EXPERIMENT DESIGN, DATA ANALYSIS, AND REPORT WRITING, MAKING IT IDEAL FOR BEGINNERS AND

EXPERIENCED PARTICIPANTS ALIKE.

2. INNOVATIONS IN MEDICAL IMAGING: THE SCIENCE BEHIND CT SCANS

EXPLORE THE FASCINATING TECHNOLOGY OF COMPUTED TOMOGRAPHY (CT) AND ITS APPLICATIONS IN MODERN MEDICINE. THIS BOOK EXPLAINS THE PHYSICS OF CT IMAGING, ADVANCEMENTS IN SCANNER TECHNOLOGY, AND HOW ENGINEERS OVERCOME CHALLENGES LIKE IMAGE RESOLUTION AND RADIATION DOSE. IT OFFERS INSIGHTS FOR STUDENTS INTERESTED IN BIOMEDICAL ENGINEERING AND MEDICAL PHYSICS.

3. ENGINEERING PRINCIPLES FOR SCIENCE FAIR PROJECTS

DESIGNED FOR YOUNG ENGINEERS, THIS BOOK OUTLINES FUNDAMENTAL ENGINEERING CONCEPTS APPLICABLE TO SCIENCE FAIR PROJECTS, INCLUDING THOSE INVOLVING CT TECHNOLOGY. IT INCLUDES PRACTICAL EXAMPLES, PROJECT IDEAS, AND STEP-BY-STEP INSTRUCTIONS ON BUILDING PROTOTYPES AND TESTING HYPOTHESES. THE FOCUS IS ON CREATIVITY, PROBLEM-SOLVING, AND APPLYING SCIENTIFIC METHODS.

4. DATA ANALYSIS AND INTERPRETATION IN SCIENCE FAIRS

MASTERING DATA ANALYSIS IS CRUCIAL FOR ANY SCIENCE FAIR PARTICIPANT. THIS BOOK TEACHES STUDENTS HOW TO COLLECT, ORGANIZE, AND INTERPRET DATA EFFECTIVELY, WITH PARTICULAR EMPHASIS ON PROJECTS RELATED TO CT IMAGING AND ENGINEERING. IT COVERS STATISTICAL METHODS, GRAPHICAL REPRESENTATION, AND DRAWING VALID CONCLUSIONS TO STRENGTHEN RESEARCH PRESENTATIONS.

5. CT IMAGING TECHNIQUES: FROM THEORY TO PRACTICE

A DETAILED EXAMINATION OF CT IMAGING TECHNIQUES, THIS BOOK BRIDGES THEORETICAL CONCEPTS AND PRACTICAL APPLICATIONS. IT EXPLAINS IMAGE RECONSTRUCTION ALGORITHMS, CONTRAST ENHANCEMENT, AND THE ROLE OF COMPUTER SCIENCE IN IMPROVING CT SCAN QUALITY. IDEAL FOR STUDENTS AIMING TO DEEPEN THEIR UNDERSTANDING OF CT TECHNOLOGY FOR SCIENCE FAIR PROJECTS.

6. SCIENCE FAIR SUCCESS STORIES: INSPIRING CT ENGINEERING PROJECTS

THIS COLLECTION SHOWCASES AWARD-WINNING CT-RELATED PROJECTS FROM PAST CONNECTICUT SCIENCE AND ENGINEERING FAIRS. EACH STORY HIGHLIGHTS THE PROBLEM ADDRESSED, THE ENGINEERING APPROACH USED, AND THE IMPACT OF THE FINDINGS. READERS WILL FIND MOTIVATION AND IDEAS FOR THEIR OWN INNOVATIVE PROJECTS.

7. RADIATION SAFETY AND ETHICS IN CT RESEARCH

UNDERSTANDING SAFETY AND ETHICAL CONSIDERATIONS IS PARAMOUNT WHEN WORKING WITH CT TECHNOLOGY. THIS BOOK DISCUSSES RADIATION RISKS, SAFETY PROTOCOLS, AND ETHICAL RESEARCH PRACTICES FOR YOUNG SCIENTISTS. IT EMPHASIZES RESPONSIBLE EXPERIMENTATION AND THE IMPORTANCE OF PROTECTING BOTH RESEARCHERS AND SUBJECTS.

8. COMPUTATIONAL TOOLS FOR SCIENCE FAIR ENGINEERING PROJECTS

LEARN ABOUT THE SOFTWARE AND COMPUTATIONAL METHODS THAT CAN ENHANCE SCIENCE FAIR PROJECTS, PARTICULARLY THOSE INVOLVING CT DATA PROCESSING. THE BOOK INTRODUCES PROGRAMMING BASICS, SIMULATION TOOLS, AND DATA VISUALIZATION TECHNIQUES THAT HELP STUDENTS ANALYZE AND PRESENT THEIR RESEARCH MORE EFFECTIVELY.

9. PROJECT MANAGEMENT FOR SCIENCE AND ENGINEERING FAIRS

EFFECTIVE PROJECT MANAGEMENT CAN MAKE OR BREAK A SCIENCE FAIR SUBMISSION. THIS GUIDE HELPS STUDENTS PLAN THEIR CT-RELATED PROJECTS FROM INCEPTION TO FINAL PRESENTATION. IT COVERS TIME MANAGEMENT, RESOURCE ALLOCATION, DOCUMENTATION, AND TEAMWORK STRATEGIES TO ENSURE A SMOOTH AND SUCCESSFUL RESEARCH EXPERIENCE.

Ct Science And Engineering Fair

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ct science and engineering fair: The Class Heather Won Tesoriero, 2018-09-04 An unforgettable year in the life of a visionary high school science teacher and his award-winning students, as they try to get into college, land a date for the prom . . . and possibly change the world “A complex portrait of the ups and downs of teaching in a culture that undervalues what teaching delivers.”—The Wall Street Journal Andy Bramante left his successful career as a corporate scientist to teach public high school—and now helms one of the most remarkable classrooms in America. Bramante’s unconventional class at Connecticut’s prestigious yet diverse Greenwich High School has no curriculum, tests, textbooks, or lectures, and is equal parts elite research lab, student counseling office, and teenage hangout spot. United by a passion to learn, Mr. B.’s band of whiz kids set out every year to conquer the brutally competitive science fair circuit. They have won the top prize at the Google Science Fair, made discoveries that eluded scientists three times their age, and been invited to the Nobel Prize ceremony in Stockholm. A former Emmy-winning producer for CBS News, Heather Won Tesoriero embeds in this dynamic class to bring Andy and his gifted, all-too-human kids to life—including William, a prodigy so driven that he’s trying to invent diagnostics for artery blockage and Alzheimer’s (but can’t quite figure out how to order a bagel); Ethan, who essentially outgrows high school in his junior year and founds his own company to commercialize a discovery he made in the class; Sophia, a Lyme disease patient whose ambitious work is dedicated to curing her own debilitating ailment; Romano, a football player who hangs up his helmet to pursue his secret science expertise and develop a “smart” liquid bandage; and Olivia, whose invention of a fast test for Ebola brought her science fair fame and an appearance on The Late Show with Stephen Colbert. We experience the thrill of discovery, the heartbreak of failed endeavors, and perhaps the ultimate high: a yes from Harvard. Moving, funny, and utterly engrossing, *The Class* is a superb account of hard work and high spirits, a stirring tribute to how essential science is in our schools and our lives, and a heartfelt testament to the power of a great teacher to help kids realize their unlimited potential. Praise for *The Class* “Captivating . . . Journalist Tesoriero left her job at CBS News to embed herself in Bramante’s classroom for the academic year, and she does this so successfully, a reader forgets she is even there. Her skill at drawing out not only Bramante but also the personal lives, hopes and concerns of these students is impressive. . . . It is a fascinating glimpse of a teaching environment that most public school teachers will never know.”—The Washington Post

ct science and engineering fair: Summary of Heather Won Tesoriero's The Class Milkyway Media, 2024-05-20 Get the Summary of Heather Won Tesoriero's *The Class* in 20 minutes. Please note: This is a summary & not the original book. *The Class* by Heather Won Tesoriero is a compelling narrative that follows the lives of students and their teacher, Andy Bramante, in a unique science research class at Greenwich High School. The book delves into the personal and academic journeys of several students, including Shobhita Sundaram, who developed a predictive algorithm for breast cancer drugs, and William Yin, who invented a health-monitoring sticker. The class is characterized by its lack of a traditional curriculum, focusing instead on individual student projects aimed at solving real-world problems...

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few actions and gain 15 reputation points before being able to upvote. Upvoting indicates when questions and answers are useful. What's reputation

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stackoverflow Asked 6 years, 6 months ago Modified

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