

Discovery Days 2026

LEAD WITH HEART, THINK WITH COURAGE, ACT WITH WISDOM

SESSION SELECTION GUIDE

**BEFORE REGISTERING, REVIEW THIS SESSION SELECTION GUIDE. IT IS
BROKEN INTO JUNE 3TH & JUNE 4TH OPTIONS.**

**WEDNESDAY, JUNE 3: YOU WILL NEED TO CHOOSE TWO SPARK SESSIONS FROM THE
AVAILABLE OPTIONS.**

THURSDAY, JUNE 4: THERE ARE TWO TYPES OF SESSIONS TO CHOOSE FROM:

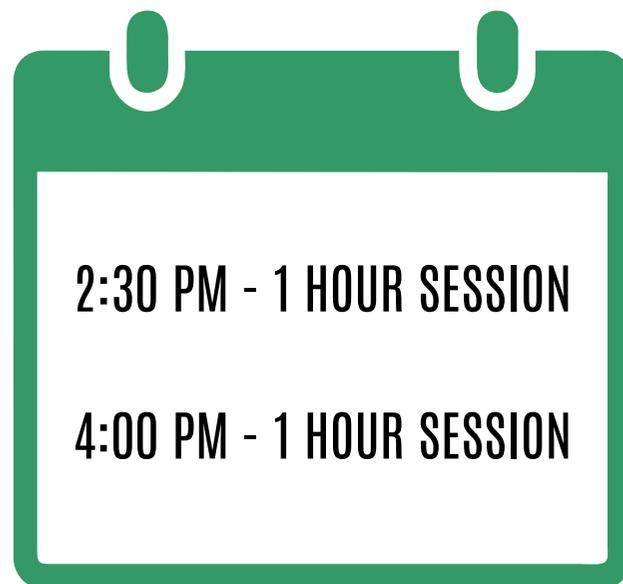
1.5-HOUR SESSIONS: THESE ARE SHORTER SESSIONS THAT ARE SCHEDULED TWICE
IN THE MORNING AND TWICE IN THE AFTERNOON.

HALF-DAY SESSIONS: THESE SESSIONS ARE LONGER AND TAKE UP HALF THE DAY.

IMPORTANT NOTE: WHEN YOU'RE CHOOSING YOUR SESSIONS FOR THURSDAY, YOU
CANNOT SELECT BOTH 1.5-HOUR SESSIONS AND HALF-DAY SESSIONS THAT OCCUR
AT THE SAME TIME. FOR EXAMPLE, IF YOU PICK A 1.5-HOUR SESSION IN THE
MORNING, YOU CANNOT SELECT A HALF-DAY SESSION FOR THE SAME MORNING TIME
SLOT. YOU WILL NEED TO CHOOSE EITHER 1.5-HOUR SESSIONS OR HALF-DAY
SESSIONS, BUT NOT BOTH FOR THE SAME TIME SLOT.



JUNE 3RD SPARK SESSIONS FOR YOUTH



JUNE 4TH SESSION OPTIONS FOR YOUTH

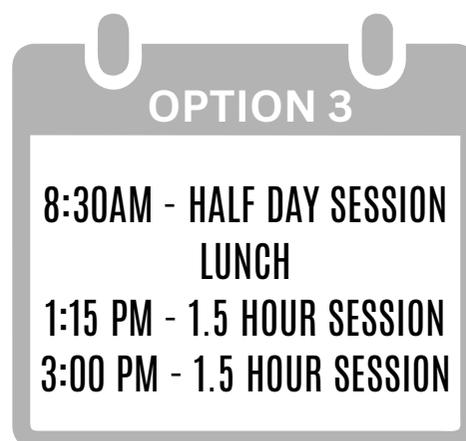
PLEASE REFERENCE BELOW THE DIFFERENT OPTIONS AVAILABLE WHEN SELECTING YOUR SESSIONS FOR JUNE 5TH.



OR



OR



OR



SPARK SESSION OPTIONS

Discovery Days 2026

WED. JUNE 3RD

1HR SESSIONS

LET'S VACATION AT A NATIONAL PARK

LOVE EXPLORING NATIONAL PARKS? SO DO WE! JOIN US ON AN ADVENTURE TO SOME AMAZING NATIONAL PARKS WHILE DISCOVERING HOW THE NATIONAL PARK SERVICE PROTECTS THESE PLACES AND WHY THEY MATTER TO YOU.

READY FOR LAUNCH!

MAXIMUM- 30

GET READY TO DESIGN, BUILD, AND LAUNCH IN THIS FAST-PACED ROCKETRY CHALLENGE! DURING THIS HANDS-ON SESSION, CAMPERS WILL STEP INTO MISSION CONTROL AND WORK IN TEAMS TO CREATE STRAW ROCKETS USING SIMPLE MATERIALS. YOUTH WILL EXPLORE THE SCIENCE OF FLIGHT WHILE EXPERIMENTING WITH ROCKET DESIGN, AERODYNAMICS, AND LAUNCH TECHNIQUES.

CAMPERS WILL TEST AND MODIFY THEIR ROCKETS TO IMPROVE DISTANCE, ACCURACY, OR FLIGHT TIME BEFORE COMPETING IN A FRIENDLY LAUNCH COMPETITION. ALONG THE WAY, PARTICIPANTS WILL LEARN HOW FACTORS SUCH AS FIN DESIGN, WEIGHT, AND LAUNCH ANGLE AFFECT ROCKET PERFORMANCE.

THIS EXCITING CHALLENGE ENCOURAGES CREATIVITY, TEAMWORK, AND PROBLEM-SOLVING WHILE INTRODUCING FUNDAMENTAL AEROSPACE CONCEPTS. CAMPERS WILL EXPERIENCE THE THRILL OF COUNTDOWN AND BLAST OFF WHILE LEARNING THAT SUCCESSFUL ENGINEERING OFTEN INVOLVES TESTING, ADJUSTING, AND TRYING AGAIN.



THE ROAD TO EMERALD CIRCLE BANQUET AND BEYOND

HAVE YOU EVER WONDERED WHAT IT WOULD TAKE TO BECOME ONE OF THE STATE 4-H PROJECT AWARD WINNERS RECOGNIZED AT THE EMERALD CIRCLE BANQUET? WOULD YOU LIKE THE OPPORTUNITY TO SERVE AS A KANSAS DELEGATE TO NATIONAL 4-H CONGRESS IN ATLANTA, AS A BONUS PERK OF WINNING ONE OF THESE AWARDS? LEARN WHAT YOU NEED TO DO TO HAVE YOUR BEST CHANCE OF MAKING YOUR DREAM A REALITY, FROM GOAL SETTING TO PREPARING A COMPETITIVE PROJECT REPORT FORM, COVER LETTER, RESUME AND VIDEO PACKAGE.

IMPROV-ING LEADERSHIP

IN THIS INTERACTIVE WORKSHOP, PARTICIPANTS WILL EXPLORE HOW IMPROVISATIONAL GAMES CAN STRENGTHEN ADAPTIVE LEADERSHIP SKILLS. THROUGH GAMES, STORYTELLING, AND LAUGHTER, WE'LL PRACTICE CORE IMPROV PRINCIPLES LIKE LISTENING, ACCEPTING OFFERS, AND RESPONDING IN REAL TIME - ALL ESSENTIAL TOOLS FOR LEADING IN UNCERTAIN AND CHANGING ENVIRONMENTS. YOU'LL DISCOVER HOW "YES, AND" THINKING BUILDS TRUST, CREATIVITY, AND COLLABORATION. NO PERFORMANCE EXPERIENCE IS NEEDED, JUST A WILLINGNESS TO PLAY AND REFLECT. JOIN US AS WE CONNECT THE ART OF IMPROV WITH THE HEART OF LEADERSHIP.

INTRODUCTION TO MEAT JUDGING

THIS SESSION INTRODUCES THE FUNDAMENTALS OF MEAT JUDGING IN A FUN, HANDS-ON WAY TO HELP STUDENTS DECIDE IF IT'S AN ACTIVITY THEY'D LIKE TO PURSUE FOR SWEEPSTAKES. STUDENTS WILL LEARN THE BASICS OF PLACING PRIORITIES AND EXPLORE DIFFERENT CLASS TYPES WHILE PUTTING THEIR SKILLS TO THE TEST. WHETHER YOU'RE BRAND NEW OR JUST CURIOUS, THIS SESSION IS A GREAT WAY TO SEE WHAT MEAT JUDGING IS ALL ABOUT AND CHALLENGE YOURSELF IN A COMPETITIVE SETTING.

SHEEP & MEAT GOAT UNIT TOUR

MINIMUM- 5 MAXIMUM- 25

HAVE YOU EVER WONDERED HOW A SHEEP AND GOAT FARM RUNS? WELL LOOK NO FURTHER! THIS CLASS WILL TAKE PLACE AT THE K-STATE SHEEP AND MEAT GOAT UNIT AND YOU WILL GET TO SEE HOW A FARM OPERATES IN REAL TIME. SO NO MATTER IF YOU HAVE RAISED SHEEP OR GOATS FOR YEARS OR ARE JUST THINKING ABOUT IT, COME AND TOUR THE UNIVERSITY FARM FOR A FUN INTERACTIVE AFTERNOON.



COME BUILD TERRARIUMS WITH ALPHA OF CLOVIA

MAXIMUM- 20

ALPHA OF CLOVIA IS A UNIQUE ALL-FEMALE LIVING AND LEARNING ENVIRONMENT FOR UNDERGRADUATE STUDENTS AT K-STATE, LOCATED JUST A BLOCK OFF-CAMPUS WITH ORIGINS IN 4-H. WE ARE AN APPROVED FIRST-YEAR LIVING COMMUNITY THAT MEETS THE FIRST-YEAR EXEMPTION, MEANING OUR MEMBERS GET TO LIVE IN-HOUSE STARTING THEIR FRESHMEN YEAR. SINCE 1931, OUR MEMBERS HAVE EMBRACED THE IDEALS OF SISTERHOOD, ACCOUNTABILITY, SINCERITY AND GROWTH. CLOVIA GIVES WOMEN THE OPPORTUNITY TO GROW THEIR LEADERSHIP AND PERSONAL SKILLS WHILE MAKING FRIENDSHIPS THAT LAST A LIFETIME! JOIN US AT THE CLOVIA HOUSE FOR AN INFORMAL SESSION, CONNECTIONS WITH CURRENT MEMBERS, AND TO BUILD TERRARIUMS! ALL FEMALE 4-HERS ARE WELCOME AND ENCOURAGED TO COME LEARN OF THE OPPORTUNITIES CLOVIA COULD PROVIDE IN YOUR FUTURE.

BRANDS, BOVINES, & BACKSTORIES

MAXIMUM- 20

STEP INTO THE WORLD WHERE RANCHING MEETS CREATIVITY. THIS SESSION DIVES INTO THE HISTORY OF BRANDING, WHAT A BRAND REALLY IS, AND WHY IT MATTERS – FROM CATTLE MARKS ON THE PRAIRIE TO THE PERSONAL BRANDS SHAPING TODAY'S CULTURE. YOU'LL EXPLORE HOW TO DESIGN A BRAND OF YOUR OWN, WHAT IT REPRESENTS, AND HOW BRAND REGISTRATION WORKS RIGHT HERE IN KANSAS. TO TOP IT OFF, YOU'LL CREATE YOUR OWN CUSTOM BRAND IN A HANDS-ON CRAFT ACTIVITY THAT BRINGS YOUR IDEAS TO LIFE.

HOW TO UN-HURRY

MAXIMUM- 20

DO YOU FIND YOURSELF ALWAYS IN A HURRY AND FEELING LIKE YOU GET NOTHING DONE? LEARN WAYS TO UN-HURRY YOUR LIFE AND DESTRESS TO A SLOWER, SIMPLER LIFE.



EXPLORE ENGINEERING

MINIMUM- 5 MAXIMUM- 30

JOIN US FOR A GUIDED TOUR OF K-STATE ENGINEERING AND DISCOVER THE VARIETY OF ENGINEERING DISCIPLINES AVAILABLE TO YOU. STUDENTS WILL EXPLORE ENGINEERING FACILITIES, LABS AND LEARNING SPACES WHILE LEARNING HOW ENGINEERS TURN IDEAS INTO REAL-WORLD SOLUTIONS. THIS SESSION OFFERS A GREAT INTRODUCTION TO ENGINEERING MAJORS, CAREER PATHS AND WHAT IT'S LIKE TO STUDY ENGINEERING AT THE COLLEGIATE LEVEL.

POWERED BY PURPOSE: EXPLORING EDUCATION, LEADERSHIP, AND YOUR EDUCATIONAL IMPACT

EVER WONDER HOW TEACHERS, MENTORS, AND LEADERS SHAPE THE WORLD AROUND THEM? IN THIS INTERACTIVE SESSION, YOU'LL EXPLORE HOW EDUCATION CONNECTS TO LEADERSHIP, COMMUNITY IMPACT, AND FUTURE CAREERS. THROUGH HANDS-ON ACTIVITIES, REAL-LIFE SCENARIOS, AND GROUP DISCUSSION, YOU'LL BUILD CONFIDENCE, PRACTICE DECISION-MAKING AND TEAMWORK, AND LEARN SKILLS THAT PREPARE YOU FOR COLLEGE AND LIFE BEYOND HIGH SCHOOL. WHETHER YOU'RE THINKING ABOUT TEACHING OR JUST WANT TO MAKE A DIFFERENCE, THIS SESSION HELPS YOU DISCOVER HOW YOU CAN BE POWERED BY PURPOSE.

100 YEARS OF TEEN SLANG

MINIMUM- 4 MAXIMUM- 20

IN THIS INTERACTIVE SESSION PARTICIPANTS WILL CREATE PICTURES OF THEIR OWN VOICES CALLED SPECTROGRAMS, LEARN ABOUT HOW TEXTING AND TECH IMPACT LANGUAGE, AND UNCOVER HOW TEENS IN KANSAS USED LANGUAGE TO FORM SOCIAL TIES OVER 100 YEARS AGO USING TOOLS FROM THE FIELD OF LINGUISTICS.



THE PHYSICS DEMO SHOW: SEE NATURE'S RULES IN ACTION

WE WILL SET UP MANY DEMONSTRATIONS THAT STUDENTS WILL HAVE A CHANCE TO DO: ROCKET SLEDS, RIDING A GYROSCOPE, TOUCHING 30,000 VOLTS, FUN WITH LIQUID NITROGEN, ... THERE MAY BE EXPLOSIONS.

EXPLORE COMPUTER SCIENCE UNPLUGGED

MINIMUM- 5 MAXIMUM- 35

EVER WONDERED HOW COMPUTERS THINK AND ARRANGE DATA? CURIOUS ABOUT HOW WE CAN TRAIN ARTIFICIALLY INTELLIGENT PROGRAMS TO RECOGNIZE AND CREATE IMAGES? CONSIDERING A CAREER IN COMPUTING, OR JUST INTERESTED IN HOW TECHNOLOGY WORKS? JOIN US TO LEARN SOME OF THE BASIC CONCEPTS IN COMPUTER SCIENCE THROUGH A VARIETY OF HANDS-ON ACTIVITIES. NO PRIOR EXPERIENCE REQUIRED!

EXPLORING EARLY CHILDHOOD CAREERS WITH THE KANSAS EARLY CHILDHOOD CAREER PATHWAY

THE CAREER NAVIGATION TEAM AT KANSAS CHILDCARE TRAINING OPPORTUNITIES IS EXCITED TO SHARE THE CAREER PATHWAY FOR EARLY CHILDHOOD EDUCATORS. CAREERS IN EARLY CHILDHOOD ARE IN HIGH DEMAND AND THE NEW CAREER PATHWAY SUPPORTS EVERYONE WHO WANTS TO WORK WITH YOUNG CHILDREN. JOIN CHELSEA TO LEARN ABOUT ALL THE OPPORTUNITIES AVAILABLE IN THIS FIELD.



EXPLORE GLOBAL CITIZENSHIP THROUGH 4-H INTERNATIONAL EXCHANGES

MINIMUM- 5 MAXIMUM- 30

\$2 FEE

WOULD YOU LIKE TO MAKE NEW FRIENDS FROM AROUND THE WORLD AND THE U. S? PARTICIPATING IN 4-H INTERNATIONAL EXCHANGE MAKES IT EASY. IN THIS WORKSHOP, YOU'LL HEAR FROM KANSAS KIDS WHO WILL SHARE THEIR EXPERIENCES LAST SUMMER IN JAPAN AND COSTA RICA, THEY'LL TELL ABOUT THE FUN THEY HAD TRYING NEW THINGS, LEARNING NEW CRAFTS AND GAMES, EATING NEW FOODS, AND EXPERIENCES NEW WAYS OF LIVING, AND CARING ABOUT PEOPLE WHO LIVE DIFFERENTLY. WE'LL GIVE YOU A CHANCE TO TRY SOME OF THEM—MAKING A COSTA RICAN CRAFT, COMPETING IN A JAPANESE GAME, AND EATING CURRY RICE WITH CHOP STICKS. WE'LL TELL YOU HOW YOU CAN TRAVEL TO ARGENTINA. COSTA RICA, JAPAN, SOUTH KOREA OR TAIWAN FOR A MONTH OR 2 IN 2027 OR HOST SOMEONE FOR A FEW WEEKS TO A SCHOOL YEAR.

CO-OP LAB: BUILD A BIZ

TEAM UP TO BUILD YOUR OWN MEMBER-OWNED BUSINESS THAT SOLVES A REAL PROBLEM IN YOUR SCHOOL, COMMUNITY, OR THE AG WORLD. YOU'LL CHOOSE WHAT YOUR CO-OP DOES, WHO IT SERVES, HOW MEMBERS SHARE MONEY AND DECISION-MAKING, AND THEN PITCH IT WITH A NAME, MOTTO, AND LOGO. ALONG THE WAY, YOU'LL SEE HOW REAL KANSAS CO-OPS SUPPORT LOCAL COMMUNITIES AND EXPLORE CAREERS WHERE YOU CAN LEAD, NOT JUST FOLLOW.

KANSAS YOUTH LEADERSHIP COUNCIL APPLICATIONS & KYLF 101

INTERESTED IN TAKING YOUR 4-H LEADERSHIP TO THE NEXT LEVEL? IN THIS SESSION, LEARN ABOUT THE KANSAS 4-H YOUTH LEADERSHIP COUNCIL AND THE KANSAS YOUTH LEADERSHIP FORUM (KYLF). WE'LL WALK THROUGH WHAT THESE OPPORTUNITIES ARE, WHAT YOUTH COUNCIL MEMBERS DO, AND HOW YOU CAN APPLY. YOU'LL ALSO HEAR TIPS FOR A STRONG APPLICATION AND LEARN HOW THESE OPPORTUNITIES CAN HELP YOU GROW AS A LEADER, MEET YOUTH FROM ACROSS KANSAS, AND MAKE A DIFFERENCE IN YOUR COMMUNITY.



LIST OF 1.5HR SESSIONS

THURS. JUNE 4TH

PLEASE REFERENCE THE FOLLOWING PAGES FOR FULL DESCRIPTION OF THE SESSIONS AND IF THERE IS ANY FEES INCLUDED WITH THE SESSION.

8:30AM SESSIONS LIST

- OUT ON THE RANGE: INTRODUCTION TO RANGELAND ECOLOGY AND MANAGEMENT
- OZOBOT DRIVES ACROSS THE TOWN
- USING AI & DATA SCIENCE TO ANALYZE THE WEATHER
- SMART AI CHOICES
- PAINT LIKE AN ARTIST: MIXING COLORS & MASTERING VALUES
- BLUEVILLE NURSERY AND LANDSCAPING TOUR

10:15AM SESSIONS LIST

- MILLING IS THRILLING
- INFORMATIONAL SESSION AND TOUR OF THE KSU COLLEGE OF VETERINARY MEDICINE
- OUT ON THE RANGE: INTRODUCTION TO RANGELAND ECOLOGY AND MANAGEMENT
- MEAT JUDGING RETAILID DEEP DIVE
- MEAL PLANNING AND BASIC COOKING SKILLS
- DNA DETECTIVES- GENETICIST IN AGRICULTURE
- ENTREPRENEURSHIP & INNOVATION
- PAINT LIKE AN ARTIST: MIXING COLORS & MASTERING VALUES
- FCS CONTEST
- COUNTRY SWING DANCE
- BEGINNER PICKLEBALL
- BEGINNER BOWLING
- MUSEUM OF ART + LIGHT: VISUAL ART, CREATIVE PRACTICE AND TECHNOLOGY IN MOTION!



LIST OF 1.5HR SESSIONS THURS. JUNE 4TH

PLEASE REFERENCE THE FOLLOWING PAGES FOR FULL DESCRIPTION OF THE SESSIONS AND IF THERE IS ANY FEES INCLUDED WITH THE SESSION.

1:15PM SESSION LIST

- PECKING ORDER: HOW TO JUDGE POULTRY LIKE A PRO
- OZOBOT DRIVES ACROSS THE TOWN
- MEAL PLANNING AND BASIC COOKING SKILLS
- USING AI & DATA SCIENCE TO ANALYZE THE WEATHER
- INTRO TO VIDEO PRODUCTION
- SMART AI CHOICES
- FCS CONTEST
- COUNTRY SWING DANCE
- BEGINNER PICKLEBALL
- BEGINNER BOWLING
- MUSEUM OF ART + LIGHT: VISUAL ART, CREATIVE PRACTICE AND TECHNOLOGY IN MOTION!
- AGRONOMY: GROWING THE FUTURE

3:00PM SESSION LIST

- PECKING ORDER: HOW TO JUDGE POULTRY LIKE A PRO
- INFORMATIONAL SESSION AND TOUR OF THE KSU COLLEGE OF VETERINARY MEDICINE
- MEAL PLANNING AND BASIC COOKING SKILLS.
- DNA DETECTIVES- GENETICIST IN AGRICULTURE
- INTRO TO VIDEO PRODUCTION
- COUNTRY SWING
- BEGINNER PICKLEBALL
- BEGINNER BOWLING
- AGRONOMY: GROWING THE FUTURE



SESSION OPTIONS

Discovery Days 2025

THURS. JUNE 4TH

1.5HR SESSIONS

MILLING IS THRILLING

MAXIMUM- 20

TIME OFFERED 10:15

STEP INSIDE A REAL WORKING FLOUR MILL AND SEE HOW GRAIN BECOMES ONE OF THE WORLD'S MOST ESSENTIAL FOODS. ON THIS TOUR OF THE HAL ROSS FLOUR MILL, STUDENTS WILL EXPLORE HOW WHEAT IS TRANSFORMED INTO FLOUR, DISCOVER HOW MILLING CONNECTS FARMING, SCIENCE, ENGINEERING, AND FOOD, AND LEARN HOW THIS PROCESS PLAYS A CRITICAL ROLE IN FEEDING PEOPLE AROUND THE GLOBE. PERFECT FOR STUDENTS CURIOUS ABOUT AGRICULTURE, FOOD, AND HANDS-ON CAREERS THAT MAKE A REAL-WORLD IMPACT.

PECKING ORDER: HOW TO JUDGE POULTRY LIKE A PRO

MINIMUM- 3 MAXIMUM- 20

TIME OFFERED 1:15 & 3:00

JUDGING POULTRY INVOLVES EVALUATING THE QUALITY OF MEAT, EGGS, AND LIVE BIRDS BASED ON INDUSTRY STANDARDS FOR APPEARANCE, CONDITION, AND MARKETABILITY. IN THIS WORKSHOP, STUDENTS WILL LEARN HOW TO ASSESS READY-TO-COOK CARCASSES FOR DEFECTS, GRADE SHELL EGGS FOR INTERIOR AND EXTERIOR QUALITY, AND JUDGE LIVE BIRDS FOR PRODUCTION AND EXHIBITION TRAITS. PARTICIPANTS WILL DEVELOP OBSERVATION, DECISION-MAKING, AND JUSTIFICATION SKILLS THAT PREPARE THEM TO COMPETE AT THE STATE AND NATIONAL 4-H POULTRY JUDGING CONTESTS.

MEAT JUDGING RETAIL ID DEEP DIVE

TIME OFFERED 10:15

THIS SESSION TAKES A DEEP DIVE INTO RETAIL ID FOR MEAT JUDGING CONTESTS TO HELP STUDENTS LEARN ANATOMY AND THE KEY IDENTIFYING TRAITS OF DIFFERENT CUTS. STUDENTS WILL BUILD CONFIDENCE IN RECOGNIZING RETAIL CUTS AND STRENGTHEN THEIR SKILLS FOR FUTURE CONTESTS. DO NOT LET RETAIL ID HOLD YOU BACK AT SWEEPSTAKES THIS YEAR. COME LEARN, PRACTICE, AND COMPETE WITH CONFIDENCE.



INFORMATIONAL SESSION AND TOUR OF THE KSU COLLEGE OF VETERINARY MEDICINE

MINIMUM- 5 MAXIMUM- 30

TIME OFFERED 10:15 & 3:00

JOIN US FOR A BRIEF INFORMATIONAL SESSION ABOUT ADMISSIONS TO VETERINARY MEDICINE! AFTERWARD, ATTENDEES WILL GET TO TOUR THE VETERINARY HOSPITAL, TEACHING LABS, AND ACADEMIC HALLS OF THE VET SCHOOL.

OUT ON THE RANGE: INTRODUCTION TO RANGELAND ECOLOGY AND MANAGEMENT

TIME OFFERED 8:30 & 10:15

RANGE MANAGEMENT IS THE SUSTAINABLE USE OF NATURAL ECOSYSTEMS FOR MULTIPLE PURPOSES, SUCH AS LIVESTOCK GRAZING, WILDLIFE HABITAT, AND RECREATION. IN THIS HANDS-ON FIELD EXPERIENCE, WE'LL PRACTICE RANGE MANAGEMENT SKILLS SUCH AS IDENTIFYING COMMON PRAIRIE PLANTS AND EVALUATING KEY INDICATORS OF RANGELAND HEALTH. WE'LL ALSO DISCUSS DIFFERENT RANGE MANAGEMENT STRATEGIES (LIKE PRESCRIBED FIRE!) AND CAREER OPPORTUNITIES AVAILABLE IN THIS EXCITING FIELD. PARTICIPANTS WILL GAIN PRACTICAL SKILLS AND A GREATER UNDERSTANDING OF RANGELAND ECOLOGY AND MANAGEMENT.

OZOBOT DRIVES ACROSS THE TOWN

MINIMUM- 8 MAXIMUM- 18

TIME OFFERED 8:30 & 1:15

OZOBOT IS A SMALL, SMART ROBOT THAT BRINGS CODING, CREATIVITY, AND CRITICAL THINKING TO LIFE! ABOUT THE SIZE OF A PING-PONG BALL, OZOBOT USES OPTIC SENSORS, FOLLOWS LINES, READS COLORS, AND RESPONDS TO SIMPLE CODES, MAKING IT AN EXCITING TOOL FOR BOTH SCREEN-FREE AND DIGITAL LEARNING EXPERIENCES. IN THIS FAST-PACED SESSION, YOU'LL GET TO EXPERIMENT WITH OZOBOT'S COLOR CODE SYSTEM AND SEE YOUR DESIGNS COME TO LIFE. WE'LL WRAP IT ALL UP WITH DESIGNING A MINI CAMPUS FOR AN EXCITING OZOBOT PARADE—A FUN, CELEBRATORY SHOWCASE OF YOUR MOST CREATIVE CODING MOVES!



MEAL PLANNING AND BASIC COOKING SKILLS

MINIMUM- 4 MAXIMUM- 10

TIME OFFERED 10:15, 1:15 & 3:00

USING GROCERY STORE APPS AND DIGITAL COUPONS, ALONG WITH BUDGET AND NUTRITION PERIMETERS, PARTICIPANTS WILL PLAN A BREAKFAST, LUNCH, AND DINNER MEAL. THEN THEY WILL WORK TOGETHER TO PREPARE A SIMPLE RECIPE OR TWO AND FINALLY GET TO EAT IT WHILE WE REFLECT ON ACTIVITIES AND THINGS LEARNED, AS WELL AS BASIC MEAL ETIQUETTE.

DNA DETECTIVES- GENETICIST IN AGRICULTURE

TIME OFFERED 10:15 & 3:00

EVER WONDERED WHAT DNA HAS TO DO WITH THE FOOD YOU EAT EVERY DAY? IN THIS HANDS-ON DISCOVERY DAYS CLASS, YOU'LL DIG INTO THE SCIENCE BEHIND AGRICULTURE AND EXPLORE EXCITING CAREERS THAT HELP GROW BETTER CROPS AND RAISE HEALTHIER ANIMALS. PARTICIPANTS WILL EXTRACT REAL DNA FROM STRAWBERRIES DURING A FUN, INTERACTIVE LAB EXPERIMENT THAT SHOWS SCIENCE IN ACTION.

YOU'LL ALSO HEAR FROM GUEST SPEAKERS WORKING IN THE FIELD TODAY. THEY'LL SHARE WHAT THEY DO, HOW THEY GOT THERE, AND WHY GENETICS PLAYS A HUGE ROLE IN FEEDING THE WORLD. ALONG THE WAY, YOU'LL DISCOVER OTHER CAREER PATHS IN AGRICULTURE, FROM RESEARCH AND BIOTECHNOLOGY TO ANIMAL SCIENCE AND CROP IMPROVEMENT.

HOSTED BY THE KANSAS STATE RYLAT TEAM AND KANSAS STATE AGRISCIENCE TEAM, THIS CLASS IS PERFECT FOR 4-H YOUTH WHO ARE CURIOUS ABOUT SCIENCE, AGRICULTURE, AND CAREERS THAT MAKE A REAL-WORLD IMPACT. GET READY TO EXPLORE, ASK QUESTIONS, AND SEE HOW GENETICS HELPS SHAPE THE FUTURE OF AGRICULTURE!

USING AI & DATA SCIENCE TO ANALYZE THE WEATHER

MINIMUM- 5 MAXIMUM- 50

TIME OFFERED 8:30 & 1:15

WANT TO LEARN HOW TO USE ARTIFICIAL INTELLIGENCE (AI) AND DATA SCIENCE TO ANALYZE DATA? IN THIS SESSION, YOU'LL LEARN HOW TO USE BASIC PROGRAMMING SKILLS TO ANALYZE KANSAS WEATHER DATA FROM KANSAS MESONET. WE'LL ALSO TOUR BEOCAT, THE K-STATE SUPERCOMPUTER, AND LEARN ABOUT KEY RESEARCH BEING PERFORMED USING THAT HARDWARE. NO PRIOR PROGRAMMING EXPERIENCE IS NEEDED - ALL SKILL LEVELS ARE WELCOME!



INTRO TO VIDEO PRODUCTION

MAXIMUM- 12

TIME OFFERED 1:15 & 3:00

INTERESTED IN THE VIDEO PRODUCTION PROCESS? JOIN US AS WE GO THROUGH START TO FINISH OF HOW VIDEOS ARE MADE. YOU'LL LEARN ABOUT THE BASIC FUNDAMENTALS OF PLANNING, FILMING AND EDITING A SHORT STORY.

SMART AI CHOICES

MAXIMUM- 24

TIME OFFERED 8:30 & 1:15

AI IS HERE TO STAY, SO WE'RE GOING TO TEACH YOU HOW TO USE IT IN A WAY THAT SUPPORTS YOUR WORK AND LEARNING (INSTEAD OF MAKING MORE SLOP). HONE YOUR RECORD BOOK! WE'LL WORKING IN THE HALE INNOVATION LAB, EXAMINING VARIOUS AI TOOLS AND THEIR APPLICATIONS.

ENTREPRENEURSHIP & INNOVATION

MINIMUM- 8 MAXIMUM- 30

TIME OFFERED 10:15

THINK YOU'VE GOT WHAT IT TAKES TO TURN TOTAL RANDOMNESS INTO THE NEXT BIG THING? IN THIS FAST-PACED CREATIVE CHALLENGE, YOU'LL DRAW TWO COMPLETELY RANDOM HOUSEHOLD ITEMS (YES, IT COULD BE THAT WEIRD) AND USE A PILE OF CRAFT SUPPLIES TO INVENT A BRAND-NEW PRODUCT. NO SWAPS. NO EXCUSES. JUST PURE IMAGINATION.

THEN THE REAL FUN BEGINS: YOU'LL PITCH YOUR CREATION LIKE A REAL ENTREPRENEUR: WHO'S YOUR TARGET MARKET? WHAT'S YOUR PRICE? WHY WILL PEOPLE NEED THIS IN THEIR LIVES? AND HOW WILL YOU GROW IT INTO THE NEXT BIG BRAND?

IT'S PART CREATIVITY, PART SHARK TANK, AND 100% CHAOTIC FUN. BRING YOUR IDEAS AND YOUR BEST SALES PITCH.

PAINT LIKE AN ARTIST: MIXING COLORS & MASTERING VALUES

MAXIMUM- 20

\$20 FEE

TIME OFFERED 8:30 & 10:15

LEARN TO PAINT LIKE AN ARTIST BY UNDERSTANDING THE TWO MOST IMPORTANT TOOLS IN PAINTING: COLOR AND VALUE. IN THIS HANDS-ON CLASS, STUDENTS WILL EXPLORE HOW ARTISTS MIX A FULL RANGE OF COLORS USING JUST THE THREE PRIMARY COLORS AND HOW VALUE (LIGHT AND DARK) CREATES DEPTH, CONTRAST, AND FORM. THROUGH SIMPLE EXERCISES AND GUIDED PRACTICE, STUDENTS WILL BUILD CONFIDENCE MIXING PAINT, CREATING VALUE SCALES, AND SEEING THEIR ARTWORK THE WAY ARTISTS DO.



FCS CONTEST

TIME OFFERED 10:15 & 1:15 - ONLY SIGN UP FOR ONE OF THE TWO CONTEST TIMES AND TALK TO YOUR EXTENSION UNIT ABOUT THE TIME YOU HAVE SELECTED.

DISCOVERY DAYS PARTICIPANTS ARE INVITED TO TAKE PART IN THE FAMILY & CONSUMER SCIENCES (FCS) JUDGING EXPERIENCE ON WEDNESDAY, JUNE 4, AT JUSTIN HALL! YOUTH WILL TEST THEIR KNOWLEDGE AND DECISION-MAKING SKILLS THROUGH CONSUMER DECISION JUDGING, GROUP THINK, AND SKILL-A-THON ACTIVITIES. THE TOP KANSAS SENIOR TEAM WILL ADVANCE TO REPRESENT OUR STATE AT THE 4-H FCS NATIONAL CHAMPIONSHIP AND CONFERENCE IN SAN ANTONIO. THE COST FOR DISCOVERY DAYS YOUTH IS \$10 PER PARTICIPANT. - IF YOU ARE PARTICIPATING WITH OTHER NON-DISCOVERY DAYS ATTENDEES AS A TEAM FROM YOUR EXTENSION UNIT, YOU NEED TO TALK WITH THEM, SO THEY KNOW WHAT SESSION YOU SIGN UP FOR.

COUNTRY SWING DANCE

TIME OFFERED 10:15, 1:15 & 3:00

LEARN THE BASICS OF COUNTRY SWING DANCING, TWO-STEPPING, AND LINE DANCING IN THIS FUN AND ENERGETIC CLASS!

BLUEVILLE NURSERY AND LANDSCAPING TOUR

MAXIMUM- 25

TIME OFFERED 8:30

ARE YOU INTERESTED IN AND LANDSCAPING OR HORTICULTURE IN YOUR FUTURE? TOUR A LOCAL NURSERY AND LANDSCAPING BUSINESS AND LEARN ABOUT THEIR DAY TO DAY ACTIVITIES AND FUNCTIONS.

BEGINNER PICKLEBALL

MAXIMUM- 12

\$5 FEE

TIME OFFERED 10:15, 1:15 & 3:00

LEARN THE BASICS OF PICKLEBALL AND HAVE FUN WHILE LEARNING!



BEGINNER BOWLING

MAXIMUM- 64

\$10 FEE

TIME OFFERED 10:15, 1:15 & 3:00

LEARN THE BASICS OF BOWLING WHILE WORKING WITH YOUNG COLLEGE STUDENTS THAT WILL HELP YOUTH HONE THEIR SKILLS.

AGRONOMY: GROWING THE FUTURE

MINIMUM- 5 MAXIMUM- 30

TIME OFFERED 1:15 & 3:00

EXPLORE HOW AGRONOMY COMBINES SCIENCE, TECHNOLOGY, AND PROBLEM-SOLVING TO FEED THE WORLD AND PROTECT THE ENVIRONMENT. GET HANDS-ON WITH CROPS, RANGE SCIENCE, PRECISION AG, AND SOIL AND ENVIRONMENTAL SCIENCES WHILE DISCOVERING MAJORS, CAREERS, AND OPPORTUNITIES AT K-STATE'S AGRONOMY DEPARTMENT.

MUSEUM OF ART + LIGHT: VISUAL ART, CREATIVE PRACTICE AND TECHNOLOGY IN MOTION!

MINIMUM- 10 MAXIMUM- 30

TIME OFFERED 10:15 & 1:15

THE MUSEUM OF ART + LIGHT IS A CONTEMPORARY VISUAL ART MUSEUM (THE NEWEST MUSEUM IN KANSAS) AT THE CUTTING EDGE OF INTEGRATING ART, DESIGN, CREATIVE PRACTICE AND TECHNOLOGY. MOA+L IS ONE OF THE FIRST ART MUSEUMS IN THE COUNTRY TO FEATURE BOTH CONTEMPORARY DIGITAL ART AND IMMERSIVE EXHIBITION EXPERIENCES AND TRADITIONAL FINE ART UNDER ONE ROOF. EXPLORE THE MUSEUM'S TEMPORARY EXHIBITIONS THAT SHOWCASE ARTISTS USING AN ARRAY OF TECHNOLOGICAL INNOVATIONS AS PART OF THEIR STUDIO PRACTICE AND BE ONE OF THE FIRST IN THE COUNTRY TO EXPERIENCE "PICASSO: ART IN MOTION," AN IMMERSIVE EXHIBITION EXPERIENCE DESIGNED BY CULTURE SPACE AND FEATURED IN OUR MEZMEREYZ GALLERY. LEARN ABOUT CAREER PATHS IN THE ART MUSEUM AND SPECIFICALLY, THE ROLE OF DIGITAL ANIMATORS AND DESIGNERS WHO CREATE MOTION GRAPHICS THAT ARE INTEGRATED INTO IMMERSIVE EXPERIENCES. A SELF-DIRECTED "SCAVENGER HUNT" WILL DIRECT YOU THROUGH THE MUSEUM FOLLOWING A SHORT PRESENTATION AND DISCUSSION ABOUT WHAT DESIGN THINKING CAN DO FOR YOU AS A CAREER PATH IN MUSEUMS AND CULTURAL INSTITUTIONS.



LIST OF HALF DAY SESSIONS

THURS. JUNE 4TH

PLEASE REFERENCE THE FOLLOWING PAGES FOR FULL DESCRIPTION OF THE SESSIONS AND IF THERE IS ANY FEES INCLUDED WITH THE SESSION.

MORNING SESSION LIST

- ATV SAFETY RIDING COURSE
- CAMPUS COOK-OFF
- CHUCKWAGON COOKING
- FROM WIND TO WIRES: EXPLORING WIND ENERGY AND THE POWER GRID
- BLAST OFF BOOT CAMP
- DESIGNING THE OUTDOORS: INTRO TO LANDSCAPE ARCHITECTURE
- WIRED FOR INNOVATION: BASIC ELECTRONICS BREADBOARDING
- INTERIOR DESIGN AND ARCHITECTURE
- BARN QUILTING 101

AFTERNOON SESSION LIST

- ATV SAFETY RIDING COURSE
- CAMPUS COOK-OFF
- CHUCKWAGON COOKING
- FROM WIND TO WIRES: EXPLORING WIND ENERGY AND THE POWER GRID
- FEEDING THE PLANET, FUELING THE FUTURE: THE MAGIC OF BIOLOGICAL AND AGRICULTURAL ENGINEERING
- DO-IT-YOURSELF-CATTLE
- FROM AVATAR TO APPLICANT: COLLEGE AND CAREER READINESS THROUGH VIRTUAL REALITY AND RESUME-BUILDING
- THE RIGHT WAY FOR THE RUNWAY- SEWING AND SHOPPING IN STYLE TIPS
- BLAST OFF BOOT CAMP
- DESIGNING THE OUTDOORS: INTRO TO LANDSCAPE ARCHITECTURE
- LIVE WELL, LEAD WELL
- WIRED FOR INNOVATION: BASIC ELECTRONICS BREADBOARDING
- INTERIOR DESIGN AND ARCHITECTURE
- BARN QUILTING 101



SESSION OPTIONS

Discovery Days 2025

THURS. JUNE 4TH

HALF DAY SESSIONS

ATV SAFETY RIDING COURSE

MAXIMUM- 8

\$20 FEE

TIME OFFERED MORNING & AFTERNOON

THE ATV SAFETY RIDER COURSE PROVIDES A FAST-PACED HANDS-ON ATV SESSION THAT INCLUDES PRE-RIDE INSPECTION, STARTING AND STOPPING, QUICK TURNS, HILL RIDING, EMERGENCY STOPPING AND SWERVING, RIDING OVER OBSTACLES, AND MORE. YOU WILL BE PROVIDED WITH A LOANER ATV, HELMET, GOGGLES, AND GLOVES. PERSONAL GOGGLES, GLOVES, AND DOT OR SNELL-RATED HELMETS MAY BE USED. YOU WILL NEED TO WEAR A LONG-SLEEVED SHIRT OR JACKET, LONG PANTS, AND OVER-THE-ANKLES BOOTS. THERE WILL BE SOME ONLINE INSTRUCTION THAT NEEDS TO BE COMPLETED PRIOR TO CLASS. CLASS SIZE IS LIMITED TO 8 PER SESSION.

CAMPUS COOK-OFF

MAXIMUM- 12

\$10 FEE

TIME OFFERED MORNING & AFTERNOON

DO YOU HAVE WHAT IT TAKES TO SURVIVE ADULTING? WHETHER YOU PLAN TO HEAD TO COLLEGE, TECHNICAL SCHOOL OR START WORKING AFTER HIGH SCHOOL, YOU WILL NEED TO EAT EVERY DAY TO SURVIVE. ARE YOU REALLY READY TO TAKE ON THIS CHALLENGE? THIS CLASS WILL GO ON A GROCERY STORE TOUR TO LEARN THRIFTY SHOPPING SECRETS. THEN TEAMS WILL GET TO SHOP FOR INGREDIENTS FOR A REAL-WORLD SCENARIO FOR THE COOKING COMPETITION BEFORE HEADING BACK TO CAMPUS TO LEARN KITCHEN SURVIVAL SKILLS AND HAVE THE COOKING, JUDGING AND EATING PORTIONS OF THE FRIENDLY CONTEST.



CHUCKWAGON COOKING

MINIMUM- 5 MAXIMUM- 12

\$25 FEE

TIME OFFERED MORNING & AFTERNOON

HAVE YOU EVER WATCHED THE ORIGINAL "THE COWBOYS" MOVIE WITH JOHN WAYNE OR "LONESOME DOVE" AND WONDERED WHAT IT WOULD BE LIKE TO LIVE AND WORK ON A CATTLE DRIVE? THIS 3-HOUR COURSE IS DESIGNED TO GIVE PARTICIPANTS A GENERAL IDEA OF HOW COWBOYS LIVED AND ATE WHILE HERDING CATTLE FROM TEXAS TO KANSAS. PARTICIPANTS WILL LEARN THE BASIC PARTS OF A CHUCKWAGON, THE HISTORICAL SIGNIFICANCE OF ITS DESIGN, AND WHY IT IS AN IMPORTANT PART OF KANSAS CATTLE HISTORY. PARTICIPANTS WILL ALSO LEARN ABOUT CAST IRON POTS "DUTCH OVENS" AND WILL USE THEM TO PREPARE A SIMPLE MEAL THAT WILL BE ENJOYED BY ALL WHEN FINISHED. PREVIOUS PARTICIPANTS ARE ASKED TO SELECT A DIFFERENT CLASS, SO NEW PARTICIPANTS HAVE THE OPPORTUNITY TO TAKE THIS CLASS.

FROM WIND TO WIRES: EXPLORING WIND ENERGY AND THE POWER GRID

MINIMUM- 5 MAXIMUM- 20

TIME OFFERED MORNING & AFTERNOON

THIS HANDS-ON, INTERACTIVE SESSION INTRODUCES HIGH SCHOOL STUDENTS TO THE SCIENCE, ENGINEERING, AND REAL-WORLD APPLICATIONS OF WIND ENERGY. STUDENTS WILL EXPLORE HOW WIND BECOMES ELECTRICITY—STARTING WITH THE FOUNDATIONS OF WIND ENERGY, PROGRESSING THROUGH TURBINE BLADE DESIGN AND TESTING, BRINGING IN ASPECTS OF THE KIDWIND COMPETITION AND CONCLUDING WITH HOW WIND POWER CONNECTS TO AND SUPPORTS THE MODERN POWER GRID.

PARTICIPANTS WILL ENGAGE IN AUTHENTIC ENGINEERING PRACTICES, USE KIDWIND TURBINES, AND WORK COLLABORATIVELY TO DESIGN, TEST, AND IMPROVE WIND TURBINE BLADES. THE EXPERIENCE HIGHLIGHTS RENEWABLE ENERGY CAREERS, ENERGY SYSTEMS THINKING, AND THE ROLE WIND ENERGY PLAYS IN AN ENERGY GRID.

FEEDING THE PLANET, FUELING THE FUTURE: THE MAGIC OF BIOLOGICAL AND AGRICULTURAL ENGINEERING

TIME OFFERED AFTERNOON ONLY

THINK ENGINEERING IS JUST ABOUT BRIDGES AND CARS? THINK AGAIN! FROM BIOMANUFACTURING LIFE-SAVING MEDICINES TO DESIGNING SMART AGRICULTURAL ROBOTS, BIOLOGICAL AND AGRICULTURAL ENGINEERS ARE AT THE FOREFRONT OF INNOVATION. COME EXPLORE HOW WE USE LIVING SYSTEMS TO SOLVE COMPLEX PROBLEMS AND GET A HANDS-ON LOOK AT THE TECHNOLOGY THAT'S REDEFINING AGRICULTURE AND THE ENVIRONMENT.



DO-IT-YOURSELF-CATTLE

MAXIMUM- 28

TIME OFFERED AFTERNOON ONLY

THE GREATEST ECONOMIC LOSS TO COW-CALF PRODUCTION SYSTEMS STEMS FROM THE INABILITY OF A COW OR HEIFER TO BECOME PREGNANT AND DELIVER A CALF. ADVANCES IN REPRODUCTIVE TECHNOLOGIES AND OUR UNDERSTANDING OF BOVINE REPRODUCTIVE PHYSIOLOGY OVER THE LAST 50 YEARS HAVE ENABLED PRODUCERS TO OVERCOME MANY OF THESE INFERTILITY ISSUES. CURRENT REPRODUCTIVE TECHNOLOGIES SUCH AS ARTIFICIAL INSEMINATION, ESTROUS SYNCHRONIZATION, EMBRYO TRANSFER, IN VITRO FERTILIZATION, AND ULTRASONOGRAPHY ARE IMPORTANT TOOLS THAT ARE AVAILABLE FOR BEEF PRODUCERS AND CAN GREATLY IMPACT THE REPRODUCTIVE EFFICIENCY AND PROFITABILITY OF BEEF PRODUCTION SYSTEMS.

IN THIS WORKSHOP, YOU WILL LEARN MORE ABOUT THE ANATOMY AND PHYSIOLOGY OF THE FEMALE BOVINE REPRODUCTIVE SYSTEM WITH HANDS-ON EXPERIENCE WITH REPRODUCTIVE TRACTS, AS WELL AS WITH THE DIFFERENT REPRODUCTIVE TECHNOLOGIES USED IN AND OUT OF THE LAB. STUDENTS WILL HAVE THE CHANCE TO LOOK AT REAL PREGNANT AND NON-PREGNANT REPRODUCTIVE TRACTS DERIVED FROM SLAUGHTERHOUSE, LEARN HOW TO HANDLE, AND THAW BOVINE SEMEN AND LOAD ARTIFICIAL INSEMINATION GUN. STUDENTS WILL ALSO LEARN HOW THESE TECHNOLOGIES CONNECT TO REAL WORLD PRODUCERS AND THEIR CATTLE.

THIS WORKSHOP IS HANDS ON AND MAY INVOLVE GETTING DIRTY. SO PLEASE WEAR CLOSE TOED SHOES AND DRESS IN CLOTHES THAT YOU ARE COMFORTABLE GETTING DIRTY.

FROM AVATAR TO APPLICANT: COLLEGE AND CAREER READINESS THROUGH VIRTUAL REALITY AND RESUME-BUILDING

MAXIMUM- 20

TIME OFFERED AFTERNOON ONLY

IN THIS INTERACTIVE WORKSHOP, PARTICIPANTS WILL DISCOVER CAREERS THAT MATCH THEIR INTERESTS BY TAKING A SHORT, EASY CAREER APTITUDE SURVEY. THEY'LL EXPLORE REAL-WORLD CAREER OPTIONS BY LEARNING ABOUT PAY, EDUCATION, TRAINING, AND WHAT IT ACTUALLY TAKES TO GET THERE SPECIFIC TO THE CAREER THEY CHOOSE. PARTICIPANTS WILL STEP INSIDE THE CAREER THROUGH AN IMMERSIVE VIRTUAL REALITY EXPERIENCE THAT LETS THEM TRY OUT A "DAY IN THE LIFE" OF DIFFERENT CAREERS. TO TOP IT OFF, PARTICIPANTS WILL LEARN HOW TO CREATE A STANDOUT RESUME AND GET HANDS-ON PRACTICE WITH JOB INTERVIEW SKILLS TO BUILD CONFIDENCE FOR FUTURE JOBS, INTERNSHIPS, AND BEYOND.



THE RIGHT WAY FOR THE RUNWAY- SEWING AND SHOPPING IN STYLE TIPS

MINIMUM- 5 MAXIMUM- 25

TIME OFFERED AFTERNOON ONLY

GET READY TO SHINE ON THE RUNWAY! TEENS WILL SHOP ON A BUDGET AND CREATE A ONE-OF-A-KIND OUTFIT TO MODEL. IN THIS HANDS-ON CLASS, TEENS WILL LEARN HOW TO MODEL THE 4-H WAY USING T-TURNS. PARTICIPANTS WILL PRACTICE MODELING WITH AND WITHOUT A JACKET, LEARN HOW TO CHOOSE ACCESSORIES THAT ENHANCE THEIR OUTFITS, AND WRITE A CLEAR, CONFIDENT SCRIPT. THE SESSION WILL ALSO COVER HOW TO ANSWER JUDGES' QUESTIONS EFFECTIVELY AND HIGHLIGHT COMMON MODELING MISTAKES TO AVOID. THIS CLASS IS PERFECT FOR 4-HERS IN THE SEWING OR SHOPPING IN STYLE PROJECT, PREPARING YOU FOR THIS YEAR'S COUNTY FAIR FASHION REVUE, OR TO BUILD CONFIDENCE AND PRESENTATION SKILLS. ALL REGISTRANTS MUST BRING \$20 CASH TO PURCHASE THEIR OUTFIT FOR THIS SESSION.

BLAST OFF BOOT CAMP

MAXIMUM- 30

TIME OFFERED MORNING & AFTERNOON

GET READY TO STEP INTO MISSION CONTROL AND DISCOVER THE EXCITING WORLD OF ROCKETRY! IN THIS HANDS-ON SESSION, CAMPERS WILL LEARN THE SCIENCE BEHIND HOW ROCKETS LAUNCH, FLY, AND SAFELY RETURN TO EARTH. PARTICIPANTS WILL EXPLORE BASIC AEROSPACE PRINCIPLES INCLUDING THRUST, LIFT, DRAG, AND GRAVITY WHILE LEARNING HOW ENGINEERS DESIGN ROCKETS FOR SUCCESSFUL FLIGHT.

CAMPERS WILL WORK TOGETHER TO BUILD AND PREPARE MODEL ROCKETS, PRACTICE SAFE LAUNCH PROCEDURES, AND EXPERIENCE THE THRILL OF COUNTDOWN AND BLAST OFF. ALONG THE WAY, YOUTH WILL STRENGTHEN PROBLEM-SOLVING, TEAMWORK, AND CRITICAL THINKING SKILLS WHILE GAINING CONFIDENCE THROUGH LEARNING BY DOING.

WHETHER YOU DREAM OF BECOMING A ROCKETMAN, AN ENGINEER, OR SIMPLY LOVE THINGS THAT FLY, THIS SESSION WILL IGNITE CURIOSITY AND INSPIRE CAMPERS TO AIM HIGH AND REACH BEYOND THE SKY.

DESIGNING THE OUTDOORS: INTRO TO LANDSCAPE ARCHITECTURE

MINIMUM- 5 MAXIMUM-15

\$25 FEE

TIME OFFERED MORNING & AFTERNOON

WHAT IF YOU COULD DESIGN THE PLACES PEOPLE ACTUALLY WANT TO HANG OUT? IN THIS HANDS ON COURSE, YOU'LL EXPLORE LANDSCAPE ARCHITECTURE—WHERE DESIGN, PROBLEM SOLVING, AND THE OUTDOORS COME TOGETHER. YOU'LL SKETCH IDEAS, BUILD MODELS, AND PLAN YOUR OWN OUTDOOR HANG OUT SPACE. LEARN HOW DESIGNERS THINK ABOUT THE PEOPLE WHO WILL USE A SPACE, CHOOSE PLANTS AND MATERIALS THAT WORK, AND DESIGN FOR URBAN, RURAL, AND NATURAL SETTINGS. YOU DON'T NEED TO BE A GREAT ARTIST OR MODEL MAKER TO PARTICIPATE AND HAVE FUN. IF YOU ENJOY BEING OUTSIDE, WORKING WITH YOUR HANDS, BEING CREATIVE, OR TACKLING REAL WORLD CHALLENGES, THIS COURSE IS FOR YOU!



LIVE WELL, LEAD WELL

MINIMUM- 10 MAXIMUM- 40

TIME OFFERED AFTERNOON ONLY

GET BEYOND READY TO LEVEL UP YOUR HEALTH AND YOUR LEADERSHIP AT THE LIVE WELL, LEAD WELL WORKSHOP! THIS HANDS-ON, INTERACTIVE EXPERIENCE IS ALL ABOUT BUILDING REAL-LIFE SKILLS THAT HELP YOU FEEL STRONGER, MORE FOCUSED, AND MORE CONFIDENT—NOW AND IN THE FUTURE. YOU’LL MOVE, CREATE, AND TRY NEW THINGS WHILE LEARNING HOW HEALTHY CHOICES CONNECT TO LEADERSHIP, TEAMWORK, AND OVERALL SUCCESS. DURING THE WORKSHOP, YOU’LL BOOST YOUR ENERGY AND FOCUS THROUGH YOGA AND BREATHING TECHNIQUES, LEARN HOW TO CALCULATE YOUR RESTING AND TARGET HEART RATE (AND WHY IT MATTERS FOR EVERYDAY LIFE AND PHYSICAL ACTIVITY), AND GET CREATIVE BY MAKING “CONVERSATION ROCKS” THAT SPREAD KINDNESS, ENCOURAGEMENT, AND POSITIVE CONNECTIONS. YOU’LL ALSO GET TO BLEND AND TASTE A SMOOTHIE USING SIMPLE, HEALTHY INGREDIENTS. THIS IS YOUR CHANCE TO BUILD CONFIDENCE, STRENGTHEN LEADERSHIP SKILLS, AND TAKE STEPS TOWARD BEING BEYOND READY FOR LIFE. LET’S MOVE, LEAD, AND LIVE WELL TOGETHER.

WIRED FOR INNOVATION: BASIC ELECTRONICS BREADBOARDING

MINIMUM- 5 MAXIMUM-30

\$15 FEE

TIME OFFERED MORNING & AFTERNOON

EVER WONDERED HOW LIGHTS, SENSORS, AND ROBOTS REALLY WORK? IN THIS HANDS-ON WORKSHOP, YOU WILL WORK ON THREE DIFFERENT PROJECTS AND JUMP INTO THE EXCITING WORLD OF ELECTRONICS BY BUILDING REAL CIRCUITS ON A BREADBOARD. YOU’LL LEARN WHAT RESISTORS, LEDS, WIRES, AND SENSORS DO, HOW ELECTRICITY FLOWS, AND HOW TO READ SIMPLE CIRCUIT DIAGRAMS. THEN YOU’LL TEST, TROUBLESHOOT, AND MAKE YOUR PROJECTS WORK, JUST LIKE REAL ENGINEERS! ALONG THE WAY, YOU’LL DISCOVER HOW ELECTRONICS POWER EVERYDAY TECHNOLOGY AND OPEN DOORS TO CAREERS IN ROBOTICS, ENGINEERING, AND HIGH-TECH INNOVATION. TEAM UP, THINK LIKE A PROBLEM-SOLVER, AND GET WIRED FOR THE FUTURE!



INTERIOR DESIGN AND ARCHITECTURE

MINIMUM- 7 MAXIMUM-30

TIME OFFERED MORNING & AFTERNOON

STEP INTO THE WORLD OF ARCHITECTURE AND INTERIOR DESIGN—USING A MARBLE AS YOUR EXPLORER!

IN THIS 4-H EXPERIENCE, YOU’LL DESIGN AND BUILD A 3-DIMENSIONAL MARBLE MAZE THAT ACTS AS A MINIATURE WORLD OF ROOMS, PATHWAYS, AND ENVIRONMENTS. THINK OF YOUR MARBLE AS A TINY “PERSON” MOVING THROUGH THE SPACES YOU CREATE. AS IT TRAVELS, EVERY TURN, SLOPE, COLOR, AND SURFACE BECOMES PART OF THE STORY YOU DESIGN.

YOU’LL LEARN HOW ARCHITECTS AND INTERIOR DESIGNERS SHAPE HOW PEOPLE FEEL AS THEY MOVE THROUGH BUILDINGS. YOU’LL EXPLORE HOW TO MAKE SPACES FEEL EXCITING, CALM, SURPRISING, OR CHALLENGING—AND HOW YOUR DESIGN CHOICES GUIDE THE “HUMAN” (YOUR MARBLE!) THROUGH THE EXPERIENCE.

YOU’LL ALSO PRACTICE EXPLAINING YOUR DESIGN IDEAS, JUST LIKE REAL DESIGNERS DO—SHARING WHY YOU CREATED CERTAIN SPACES, HOW YOUR LAYOUT WORKS, AND HOW YOUR COLOR CHOICES INFLUENCE THE MOOD OF ANYONE MOVING THROUGH IT.

BY THE END, YOU’LL HAVE A UNIQUE ARCHITECTURAL CREATION THAT BLENDS CREATIVITY, SPATIAL THINKING, AND MOOD-SHAPING DESIGN, ALL WHILE IMAGINING THE MARBLE’S JOURNEY AS A HUMAN EXPERIENCE IN A WORLD YOU BUILT.

BARN QUILTING 101

MINIMUM- 5 MAXIMUM-16

\$30 FEE

TIME OFFERED MORNING & AFTERNOON

COME LEARN ALL ABOUT BARN QUILTS. TAKE TIME, PICK A PATTERN, PICK YOUR COLORS AND GO ALL IN DESIGNING AND PAINTING YOUR OWN 2 FT X 2FT BARN QUILT THAT YOU WILL TAKE HOME.

