DERBY DAYS:
RACING TOWARDS COLLABORATION
OBJECTIVES:

• WHAT?
• WHY?
• HOW?
THE WHAT!
PINEWOOD DERBY IS:

- A RACE THAT CONSISTS OF CARS MADE FROM WOOD BLOCKS.
- TYPICALLY ASSOCIATED WITH CUB SCOUTS
- PARTICIPANTS RECEIVE HELP FROM PARENTS OR OTHER ADULTS IN THE CONSTRUCTION OF THE CARS.
PINEWOOD DERBY IS:

- A FUN AND EXCITING WAY TO ENGAGE STUDENTS.
- ALLOWS FOR EVERYONE IN THE FACILITY TO PARTICIPATE.
- EASILY ALLOWS YOUR CLASSES TO COLLABORATE DURING THE PROJECT.
PINEWOOD DERBY SPECIFICS:

- CARS ARE MADE OF WOOD
- WHEELS AND AXLES ARE PROVIDED IN THE KITS
- CARS MUST WEIGH NO MORE THAN 5 OZ WHEN COMPLETED
- ALL FOUR WHEELS MUST TOUCH THE TRACK
- BOYS USED THE SAME PAINT
- PENNIES WERE USED AS WEIGHTS
- TRACK CAN VARY IN MAKE-UP AND LENGTH
- TIMING SYSTEM IS NEEDED
PINEWOOD DERBY SPECIFICS:

- Residents competed within their units for a “Unit” Champion.
- Teachers and staff competed against each other for an “Open Class” Champion.
- All Unit Champs raced against each other for a “Grand Champion”
- Trophies were given for “Best in Show” (as voted on by teachers and staff) as well as a “Most Cautious Driver” (slowest car)
THE WHY!
COLLABORATION OF COURSE

• HANDS-ON LEARNING
• UTILIZED THE STRENGTHS OF EACH CLASS
• INVOLVED TEACHERS AND FACILITY STAFF
• IT WAS FUN!!
COLLABORATION—THE PROCESS

• REGULAR CLASSROOM TEACHERS WORKED WITH STUDENTS TO DESIGN THE CARS ON GRAPH PAPER AND THEN HELPED TRANSFER THE DESIGN TO THE BLOCKS OF WOOD.
COLLABORATION—THE PROCESS

- STUDENTS WENT TO THE SHOP WHERE THE CARS WERE CUT OUT BY EITHER OLDER STUDENTS OR ADULTS.
COLLABORATION—THE PROCESS

- STUDENTS RETURNED TO THE REGULAR CLASSROOM TO DECORATE AND PAINT THEIR CARS.
COLLABORATION—THE PROCESS

• ONCE THE PAINT HAD DRIED, STUDENTS RETURNED TO THE SHOP TO RECEIVE THEIR WHEELS AND AXLES.

• CARS WERE WEIGHED AND STUDENTS WERE GIVEN PENNIES TO USE AS WEIGHTS IN ORDER TO ACHIEVE OUR 5 OZ GOAL.

• STUDENTS/ADULTS THEN DRILLED HOLES WHERE THE WEIGHT WAS SUPPOSED TO GO.
COLLABORATION—THE PROCESS

• WHEELS AND AXLES WERE THEN ATTACHED.

• CARS WENT THROUGH INSPECTION TO CHECK FOR COMPLIANCE (4 WHEELS TOUCHING THE GROUND AND WEIGHING NO MORE THAN 5 OZ)

• ONCE THEY PASSED INSPECTION, CARS RAN A TEST RUN DOWN THE TRACK. IF NOTHING FELL OFF, THE CARS WERE THEN PLACED ON PIT ROW TO AWAIT RACE DAY!
COLLABORATION—THE PROCESS

• OUR WORKPLACE PRINCIPALS CLASS DESIGNED AND PRINTED PROMOTIONAL FLYERS THAT HYPED THE RACE.

• THESE WERE PLACED AROUND THE FACILITY TO ENCOURAGE STAFF TO ATTEND AND WATCH THE RACE.

• DISTRICT ADMINISTRATORS AND OTHER GUESTS ALSO CAME OUT TO WATCH THE RACES.
COLLABORATION—THE PROCESS

• Each car ran 4 races and had to run in each lane once.

• Track had a timing mechanism.

• Students recorded their time for each race and then calculated their average time.

• Students were then ranked by time within their units to determine unit champions.
# 1st Annual MYDC Pinewood Derby

## Lane A Unit

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THE HOW!

HOW DO I ...

• EASIEST WAY IS TO PURCHASE THE DERBY KITS AND OTHER MATERIALS USING ANY FUNDS THAT YOU HAVE.

• KITS CAN BE BOUGHT AT:
  • LOCAL SCOUTING STORES
  • LOWES
  • HOME DEPOT
  • MICHAELS
  • HOBBY LOBBY
  • ON-LINE RETAILERS
THE HOW!

HOW DO I ...

• OTHER WAYS WOULD BE TO SEE IF A LOCAL STORE WOULD DONATE MATERIALS OR OFFER THEM AT A CHEAPER PRICE.

• REACH OUT TO COMMUNITY RESOURCES TO SEE IF THEY COULD COVER COSTS OR HELP WITH COSTS
  • LOCAL SCOUT TROOPS
  • CHURCHES
  • KIWANIS CLUBS
  • LIONS CLUB
THE HOW!

HOW DO I ...

• EAGLE SCOUT PROJECT—THIS WOULD BE A GREAT WAY FOR YOUR FACILITY TO PROVIDE AN OPPORTUNITY FOR A YOUTH TO EARN HIS EAGLE SCOUT.

• LOCAL BOY SCOUT OR CUB SCOUT GROUPS COULD BE A SOURCE OF EQUIPMENT AND MATERIALS.
THE HOW!
HOW DO I ...
BSA COUNCIL SCOUT EXECUTIVES

• LINCOLN HERITAGE COUNCIL:
  • BARRY OXLEY
    BARRYG.OXLEY@SCOUTING.ORG

• BLUEGRASS COUNCIL:
  • JAMES “CHIP” ARMISHAW
    CHIPARMISHAW@SCOUTING.ORG
QUESTIONS???

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  MAYFIELD YOUTH DEVELOPMENT CENTER
  270-247-9609
  JUSTIN.HUBBARD@GRAVES.KYSCHOOLS.US

- **MICHAEL DELANEY, TEACHER**
  MAYFIELD YOUTH DEVELOPMENT CENTER
  MICHAEL.DELANEY@GRAVES.KYSCHOOLS.US