Pathway to Manufacturing and Engineering Careers

BENEFITS FOR SCHOOLS THAT INTRODUCE THE F1 CHALLENGE TO THEIR CURRICULUMS INCLUDE:
- providing a new and different way to teach Manual Arts;
- creating contacts with Industry Partners;
- helping students reach their full potential;
- increasing what they offer students;
- providing specialist expertise to support theory; and
- providing good publicity for schools whose students achieve success.

“HIGH SCHOOL IS A CRITICAL TIME WHERE INDUSTRY NEED TO TARGET THE FUTURE WORKFORCE. STUDENTS START TO MAKE IMPORTANT DECISIONS ABOUT THEIR FUTURE. LEAVING INDUSTRY ENGAGEMENT UNTIL UNIVERSITY IS LEAVING IT TOO LATE.”

STUDENTS PARTICIPATING IN THE F1 CHALLENGE CAN:
- increase their skills and knowledge;
- make industry connections;
- improve their confidence;
- potentially get jobs or work placements;
- create resumes filled with experience before they graduate;
- learn to work in teams;
- have fun building and racing cars.

BY SUPPORTING THE F1 CHALLENGE INDUSTRY PARTNERS CAN:
- tackle the manufacturing and engineering skills shortages;
- give something back to their communities;
- identify future employees before they graduate from high schools; and
- help mould future employees' skill levels.

TEACHERS SAY THAT THE F1 IN SCHOOLS CHALLENGE REQUIRES TIME AND EFFORT FROM STUDENTS, TEACHERS AND INDUSTRY PARTNERS. BUT SEEING STUDENT'S TRANSFORMATIONS AND THEIR EXCITEMENT ABOUT THE POTENTIAL FOR CAREERS IN THE MANUFACTURING AND ENGINEERING INDUSTRIES MAKE IT A VERY WORTH WHILE PROJECT.
3 Levels of Participation

PROFESSIONAL CLASS:
- ‘Open’ class or for teams with previous experience,
- Yrs 5 - 9 (Junior) and Yrs 10 – 12 (Senior),
- Teams of 3 – 5 members,
- National Champions invited to World Finals.

DEVELOPMENT CLASS:
- First time ‘rookies’,
- Yrs 5 – 9,
- Teams of 3 – 5 members,
- Simplified manufacturing process, wheel systems and portfolio/pit display,
- National Champions invited to form an International Collaboration Team for the World Finals.

CADET CLASS
- Cut down ‘open’ class of competition,
- Yrs 5 – 9 (Junior) & Yrs 10 – 12 (Senior),
- Team/s of 1 – 3 member(s),
- 1 x car, 1 x A2 Poster plus Racing,
- No Engineering or Verbal Presentation Judging, no Portfolio or Pit Display.

STUDENTS CAN COMPETE AT A SCHOOL LEVEL, REGIONAL LEVEL, STATE LEVEL, NATIONAL LEVEL AND PARTICIPATE IN THE WORLD FINAL AGAINST 38 OTHER NATIONS.

COMMUNITY ENGAGEMENT AND INDUSTRY ROLE MODELS PROVIDING GUIDANCE AND SUPPORT TO STUDENTS.

INDUSTRY STANDARD TECHNOLOGY - NO TOYS

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