



ORLANDO SCIENCE CENTER, INC.

National Engineering Design Challenge with Orlando Science Center

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Students conduct experiments at Neighborhood Science.

Credits: Orlando Science Center

National Engineering Design Challenge (EDC) with Orlando Science Center presents a series of weekly authentic STEM engagement opportunities focused on space exploration and space science in alignment with ARTEMIS for underserved and underrepresented youth (grades 4 & 5) from communities in downtown Orlando, Florida. The EDC program goals and objectives are to build a new partnership with NASA; provide NASA-Unique authentic STEM experiences for underrepresented students from underserved neighborhoods in Orlando and across the nation to

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promote NASA STEM engagement; strengthen City of Orlando participants' support system (families and informal education); and promote a more diverse future NASA STEM workforce. In addition to weekly programming that will inspire confidence and interest in STEM, the EDC program offers the community a new engineering design challenge that will be scaled in Year 3 nationwide. Applying a holistic approach to STEM engagement, EDC will encourage family engagement through Family Science Nights, and innovative STEM professional training for City of Orlando's informal educators to bolster confidence in STEM facilitation.

List of Partners:

- Kennedy Space Center
- City of Orlando - Grand Avenue Neighborhood Center

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