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Title: Recognizing and honoring the students in Imhotep Institute Charter High School's STEM program for their dedication as change-makers, ready to tackle humanity's most pressing challenges with determination and innovation.

Sponsors: Councilmember Bass, Councilmember Jones, Councilmember Ahmad, Councilmember Gilmore Richardson, Councilmember Squilla, Councilmember Lozada, Councilmember Brooks, Councilmember Thomas, Councilmember Phillips, Councilmember Driscoll, Councilmember Harrity, Councilmember O'Rourke

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Recognizing and honoring the students in Imhotep Institute Charter High School's STEM program for their dedication as change-makers, ready to tackle humanity's most pressing challenges with determination and innovation.

WHEREAS, Imhotep's STEM program tackles real-world environmental issues, particularly those associated with climate change. Starting in Jackson, where they designed and produced water filters to address local water quality issues, they have also used advanced 3D printing technology to develop water filtration systems to provide to local communities in need; and

WHEREAS, Imhotep's impact extended beyond local boundaries, reaching international destinations such as Ghana. Here, they embarked on an educational odyssey, imparting knowledge about water quality to over 3,000 students. This included hands-on water testing and the introduction of groundbreaking water filtration technology. Their scientific outreach expanded further as the Gullah Geechee community on Sapelo Island sought their expertise to tackle long standing water quality concerns overlooked by the state of Georgia; and

WHEREAS, These STEM Ambassadors transcend crisis management; they embody the principles of sustainable development and promote eco-friendly practices wherever they go, concurrently donating 3D printers to bolster their mission. In Southeast Georgia, they conducted a thorough analysis of water quality at a local educational institution, uncovering hazardous conditions that prompted health inspections and the revelation that the water supply was unfit for consumption; and

WHEREAS, The students in Imhotep's STEM program ingeniously repurposed plastic bottles from recycling bins as raw material for filament production, fueling their 3D printers to create additional water filtration systems and hydroponic setups. They are cleaning up the City with Project Heshima, and converting trash into STEM treasures of water filters, prosthetics, and hydroponics. In Project NIA, they have established the first

hydrotech farm in Philadelphia to provide a solution for food deserts. The project has provided 2.5 acres of non-GMO, pesticide free premium crop to the community, and has expanded to a community fridge. Their story epitomizes innovation and commitment in the face of environmental and social challenges; now, therefore, be it

RESOLVED, That the Philadelphia City Council hereby recognizes and honors the students in Imhotep Institute Charter High School's STEM program. These young catalysts stand as a testament to the power of STEM, offering tangible solutions to urgent challenges with global and local implications.