INTERNET OF THINGS

ENVIRONMENTAL MONITORING

ENVIRONMENTAL MONITORING

Environmental monitoring can be defined as the systematic sampling of air, water, soil, and biota in order to observe and study the environment, as well as to derive knowledge from this process.

PROJECT DEFINITION

- Environmental monitoring refers to systematic sampling of air, water, soil, and biota in order to observe and study the environment, as well as to derive knowledge from this process.

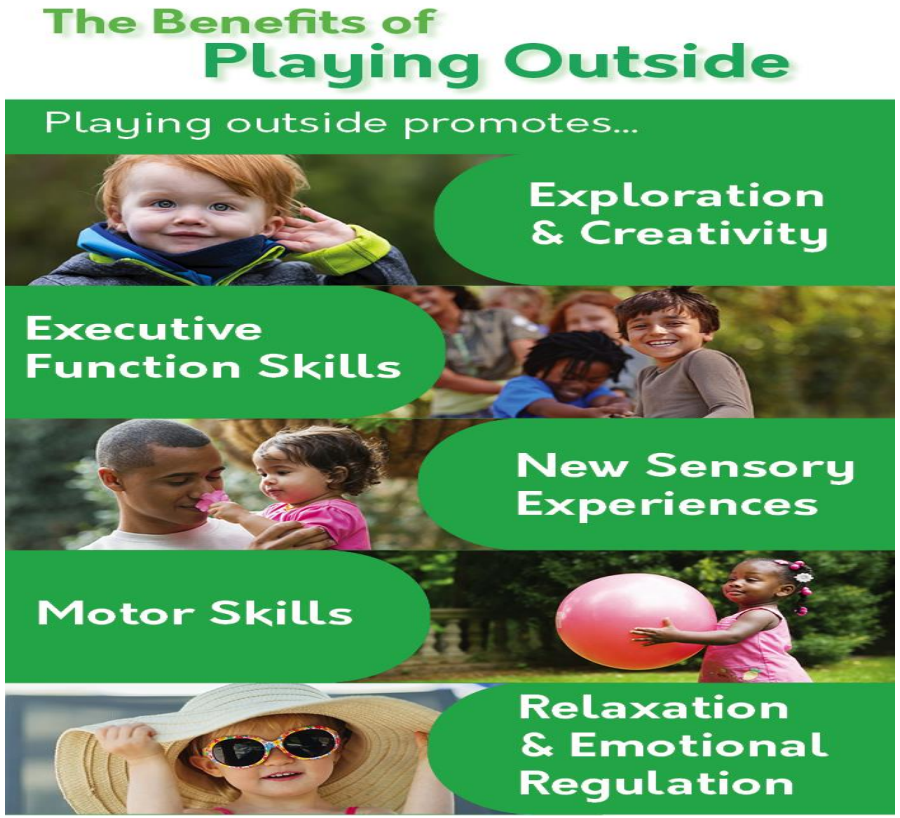
REAL-TIME ENVIRONMENTAL MONITORING

- REMAS is a robust, real-time environmental data management system that measures, records, and analyzes data with alerting and on-site or web-based display.

AIDING PARK VISITORS IN ACTIVITY PLANNING

Parks and playgrounds can become the hearts of communities, meaning community planners should make these recreation areas high priorities.

PROMOTING OUTDOOR EXPERIENCE



IOT IN PUBLIC PARK

ENVIRONMENTAL MONITORING METHODS

- Ground-based Sampling and Measurements
- Model-based Monitoring
- Satellite based Monitoring

ADVANTAGES OF ENVIRONMENTAL MONITORING

- Real-time monitoring capabilities
- cost-effectiveness
- increased accuracy
- scalability to help reduce
- prevent environmental damage

DISADVANTAGES OF ENVIRONMENTAL MONITORING

- The current technology is expensive
- provides only a snapshot of data
- requires expertise to use and takes time in lab analysis

APPLICATION OF ENVIRONMENTAL MONITORING

- Broad – environmental protection
- extreme weather monitoring
- water safety
- endangered species protection
- commercial farming
- and more

- Submitted by.....

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