

Choreographing Science:

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Applying a complex systems perspective to investigate the relationship between choreography and agent-based modeling as tools for scientific sensemaking

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Project Description

This project brings together middle schoolers, scientists, & choreographers together to engage in scientific research that uses both choreography & agent-based modeling

Motivation & Goal: Desettle normative ways of doing science for youth and scientists towards more expansive possibilities

Key Achievements/Findings

- Intergenerational scientific discovery
- Expansive choreographic pedagogies
- Discipline specific views of rules lead to different understandings of scientific phenomena
- Youth half-baked ideas can be taken up and affirmed by the group
- 3 camps, 2 cities, 44 middle schoolers, 6 scientists, 3 choreographers

Audience & Settings

Audience: middle schoolers, scientists, choreographers, learning scientists, & the general public

Disciplinary area: Choreography, Science, Agent Based Modeling

Learning environment: Summer Camps

Access and Inclusion

Leveraging choreographic forms of participation for science inquiry helps:

1. Foreground that science is not a settled discipline
2. Open opportunities for intergenerational, reciprocal inquiry: youth and scientists learning from each other

