Resources for Online and Remote Investigations

Resources from our partners: most of these are virtual tours of exhibits, science content presentations from museum scientists and hands-on activities you can expand into inquiry lessons to use in your curriculum; some include MA STE standards.

Discovery Museum (Acton, MA)
Distance learning resources for teachers:
https://www.discoveryacton.org/education/teacher-resources-distance-learning

Flying Cloud Institute
SMART at Home: Science activities for K-8 students
https://flyingcloudinstitute.org/join-our-google-classroom-science-meets-art-s•m•art-projects-to-do-anywhere/

Hitchcock Center
Videos and investigations
https://www.hitchcockcenter.org/covid-19-virtual-hitchcock/

Mass Audubon
Citizen monitoring projects
https://www.massaudubon.org/get-involved/citizen-science

New England Aquarium
Virtual visits and activities to do at home
https://www.neaq.org/visit/at-home-events-and-activities/

Springfield Museum
Hands-on science activities appropriate for K-5
https://springfieldmuseums.org/about/updates/

Beyond Benign
Green chemistry-related resources

Ecotarium
Hands-on activities suitable for K-5
https://ecotarium.org/visit-us/
These are other sources of virtual presentations, simulations and hands-on activities that you could adapt to inquiry lessons.

Science from Scientists
Inquiry investigations for grades 4-8
https://www.sciencefromscientists.org/sfsathome

National Geographic
Curriculum units with videos, interactive lessons and support materials for middle and high school students.
https://www.nationalgeographic.org/education/resource-library/?q=&page=1&per_page=25&subjects=Conservation&content_type_category=Unit

CK-12
Simulations, lessons and FlexBooks for online teaching
https://www.ck12.org/teacher/

WGBH: Interactive Lessons
Science and literacy: interactive science videos with literacy projects, grades K-12
https://mass.pbslearningmedia.org/collection/ilcoll/

SolidWorks Apps for Kids
Engineering and design activities
https://www.swappsforkids.com/apps/

PhET Interactive Simulations
Science simulations and activities to use with the simulations.
https://phet.colorado.edu/

Concord Consortium - STEM Resources & Collections
Interactive STEM activities - models, simulations, investigations
https://learn.concord.org/

Cornell All About Birds
Curriculum, lesson plans and citizen monitoring activities for middle and high school students
https://www.allaboutbirds.org/news/how-to-make-these-next-few-weeks-a-little-easier-courtesy-of-birds/

BrainPop
Cartoon videos of a range of science topics. Free access only during school closings.
https://www.brainpop.com/science/