

Using the MPG Golden Eagle Migration Tour Builder Project in your Classroom

Thank you for registering for the MPG Golden Eagle Migration Tour Builder Project!

The MPG Golden Eagle Migration Tour Builder Project aims to:

1. Introduce students to natural history, migration paths and issues facing golden eagles.
2. Challenges students to make scientific inferences using real data.
3. Explore Google Earth as a teaching and learning tool.

What You Need:

To Access Tour Builder:

https://tourbuilder.withgoogle.com/tour/ahJzfmnd3ZWltdG91cmJ1aWxkZXJyEQsSBFRvdXlYglCqjsGL_gsM

Teacher Quick Start Video Guide: <https://www.youtube.com/watch?v=7v4zEeKovdl>

The MPG Golden Eagle Migration Project uses both the web based Google Earth platform and Google Earth Pro-- a free download:

<https://www.google.com/earth/download/gep/agree.html> To access all content, please download Google Earth Pro.

Using the Tour in the Classroom:

The MPG Golden Eagle Migration Project is designed to engage students at various grade levels. As an educator, you have the ability to use this in various ways.

1. It is NOT a scripted curriculum. As the teaching professional you have the ability to use the Golden Eagle Tour Builder Project in whatever way best enhances your curriculum. Some ways that teachers have used it are:
 - a. As a whole class activity. The teachers uses the information on the Tour to walk students through the cards, resources, discoveries and discussions in a group.
 - b. As a student teamwork challenge. Groups of students work in teams and report out to the entire class at times designated by the teacher.
 - c. As an independent project with a select number of students. This is a good differentiation strategy for students who have completed course work but need an extra challenge.
2. There is NO RIGHT ANSWER. The most important thing about the Golden Eagle Migration Project is the process of problem solving and making scientific inferences. The real world experts must struggle everyday with research, gaining understanding, gathering input, making plans, review and reassessing. Their

problems don't have one right answer either. The MPG Golden Eagle Migration Project presents real data and research for students to tussle with.

3. COGNITIVE SWEAT by students is a must. As the teachers you can facilitate the process, give feedback, ask probing questions, suggest resources but the students should do the bulk of the work. This is definitely a 'guide on the side' project for you.

Links that you will find within the Tour:

Card 1:

No external links

Card 2:

Learn about RVRI Raptor Tracking (Video):

<https://www.youtube.com/watch?v=deUU82tBzBo&t=2s>

MPG Ranch Website: <https://www.mpgranch.com/>

RVRI Website: <https://www.raptorview.org/>

Card 3:

Introduction to the MPG Ranch (Video):

https://www.youtube.com/watch?v=ZwHs1OP_1ac&t=1s

Card 4:

Golden Eagle (Video): https://www.youtube.com/watch?v=otw9pR_b0Ec&t=1s

External Links:

[National Geographic](#)

[Audubon](#)

[Cornell Lab of Ornithology](#)

Download the .kml file to interact with the eagle flight path:

[id=1OKZMsokcl2bPj1IDVC26VZOv88YnscIw](https://drive.google.com/open?id=1OKZMsokcl2bPj1IDVC26VZOv88YnscIw)

Discussion Questions:

[Think About It! Questions for Deeper Understanding](#)

Card 5:

Impacts of Lead Ammunition (Video):

<https://www.youtube.com/watch?v=EywQOkqhAdY>

RVRI Research: <https://www.raptorview.org/golden-eagle-research-projects.html>

Download the .kml file to interact with the eagle flight path:

<https://drive.google.com/open?id=1OKZMsokcl2bPj1IDVC26VZOv88YnscIw>

Discussion Questions:

[Think about it! Questions for deeper understanding.](#)

Card 6:

Google Earth Demo (Video): https://www.youtube.com/watch?v=eLi_yNHpkQ0

Download the .kml file to interact with the eagle flight path: [709-04702-143484.kml](#)

Additional golden eagle flight paths: [Golden Eagle Tracking](#)

Card 7:

Making Scientific Inferences (Video): <https://www.youtube.com/watch?v=lveuqjzABMI>

Using Data from Google Earth to make inferences (Video):

<https://www.youtube.com/watch?v=jXLBWJrk258&t=29s>

Download the .kml file to interact with the eagle flight path: [0709-01883-117410.kml](#)

Additional golden eagle flight paths: [Golden Eagle Tracking](#)

Card 8:

Download the .kml file to interact with the eagle flight path: [0799-00817-110270.kml](#)

Additional golden eagle flight paths: [Golden Eagle Tracking](#)

Card 9:

Citizens Science website: Zooniverse--access a project from MPG Ranch and RVRI:

<https://www.zooniverse.org/projects/sbradford/western-montana-wildlife>

Downloading .kml Files:

A .kml file is a geospatial map file used by Google Earth. The file will highlight different paths, points and flyovers. Downloading .kml files only works with Google Earth Pro.

Here is a link to the free download:

<https://www.google.com/earth/download/gep/agree.html> To download the .kml file, click on the link in Tour. The link should open automatically in Google Earth Pro.

This project is a precursor to a larger Golden Eagle IC Challenge™ that will begin in January and walks students through the steps of problem solving! If you choose to participate, you and your students will be well on the way to some great problem based learning by using the Tour Builder Project.

If you need help getting started or run into speed bumps along the way, please feel free to contact us at info@inspiredclassroom.com