**People and Machines**

**Questions:**

1. What can we see in Photo 1? When was this photo taken? See the photo caption for more information.
2. The photo caption says that some individuals in the photo are train passengers and some are train workers. Which individuals could be train workers? What were their jobs?
3. What skills did these individuals need to do their jobs?
4. How did people move from one place to another before locomotives and railcars were invented? How did locomotives and railcars change how people traveled?
5. Find a photo that shows a train in the United States today. Compare the train from the photo you found with the train in Photo 1. Are they the same or are they different?
6. Have you ever been on a train? Did it look like the train in Photo 1? Did you see any train workers on the train or at the train station? What did they do?

**Questions:**

1. What can we see in Photo 2? When was this photo taken? See the photo caption for more information.
2. Who are the individuals in the photo? What is their job?
3. What skills did these individuals need to do their jobs?
4. What kind of machines had to be invented for this type of work to be needed?
5. Are there any machines in this photo?
6. How did the men in the photo do their work? Do you think that their work was hard or easy?
7. What jobs were created after trains (locomotives and railcars) were invented? Look at this photo and Photo 1 that you examined before to answer this question. Do all these jobs exist today?

**Questions:**

1. Who is the individual in Photo 3? What is his job? What is he doing in the photo? See the photo caption for more information.
2. When was this photo taken?
3. What skills did this individual need to do his job?
4. For what did people use typewriters?
5. How did people write before the typewriter was invented?
6. Did people need typewriter shops and typewriter mechanics before typewriters were invented?
7. Do people still use typewriters today? If not, what do we use today that replaced typewriters?
8. Are there many typewriter shops and typewriter mechanics today?

**Questions:**

1. Who are the individuals in Photo 4? What is their job? What are they doing in the photo? See the photo caption for more information.
2. When was this photo taken?
3. What skills did these individuals need to do their job?
4. Why do you think the men in the photo are covered with oil? What does it tell us about their job? Was oil drilling safe or dangerous for the workers?
5. In the 1800s, oil was used mostly for lamps. How did the need for an oil change with the invention of different machines with engines that used oil products as fuel (e.g., cars)?
6. How did the lives and work of the workers like the ones you see in this photo change when more and more oil was needed?
7. For what do we use oil today?
8. What are some other sources of energy that we use today in addition to oil? What are the advantages and disadvantages of different sources of energy?

**Questions:**

1. What can we see in Photo 5? When was this photo taken? See the photo caption for more information.
2. Who are the individuals in the photo? What could be their jobs?
3. What skills did these individuals need to do their jobs?
4. Did people need car service shops and car mechanics before cars were invented?
5. Look at the car in the photo. Does this car look like cars that we use today?
6. Do we need car service shops and car mechanics today?
7. Do car mechanics today need the same skills as car mechanics in the 1930s or do they need different skills because cars today are different than cars in the past?
8. Have you been to or seen a car service shop? Did it look similar to the one in this photo?

**Concluding questions:**

1. Write down all the jobs that we saw in the five photos in this activity that were created because different types of machines were invented. What are two other jobs that were created because of the invention of machines? Add the two jobs to your list.
2. Look at your list of jobs again. How do you think the individuals who worked these jobs learned their skills? Where did they learn their skills? Who taught them?
3. Write down two examples of jobs that changed because machines were invented. How did the jobs that you selected change because of machines? For example, teachers used to use only blackboards and chalk in the classroom. Today they can also use computers, calculators, and projectors.
4. Are machines useful to people? Do they make people’s jobs easier or more difficult?
5. Make a list of three machines that you and your family use. Next to each item on your list, write down one thing that is good about it and one thing that is bad about it. For example: Car – it is good because we can get everywhere fast; it is bad because cars pollute the environment.