



# Parent Resources for Gathering Data

Students will be using sunrise and sunset times to look at information in a data table and then collect their own data by keeping track of their wake-up and bedtimes for one week.

Goals of this lesson:

- Learn the parts of a Data Table (rows and columns)
- Read information from a data table (sunrise and sunset times)
- Collect data and write it into a data table
- Keep track of time through the use of a calendar and clock.

For additional information, copy and paste these links into your browser:

Day, night and the four seasons:

<https://clever.discoveryeducation.com/learn/player/d8b76d38-46f7-462a-942b-7d2605d9b6c4>

Recording data:

<https://clever.discoveryeducation.com/learn/player/b17b142b-0b2d-46bc-86ec-56ff13b66a95>

Sing a silly song about morning, afternoon, evening and night:

<https://clever.discoveryeducation.com/learn/player/399da7ea-574f-4c40-825d-2ab71cf2d120>

How do dinosaurs say goodnight?

<https://clever.discoveryeducation.com/learn/player/f4a3645d-93c3-4f25-88dc-9eb55dce1df9>

# Daytime and Nighttime

Have you noticed that in the Springtime it's light outside longer and longer every day? As we move closer to the first day of Summer (which is June 20, 2020), the hours of daylight keep getting longer and longer. They say that the first day of Summer is the longest day of the year. That's silly! Every day is 24 hours, but on the first day of Summer we have the most hours of daylight.

**Scientists use a Data Table to keep track of information.**

**Data Tables have ROWS that go across and COLUMNS that go up and down. Remember it this way:**

If you ROW a boat, you will go across a lake.



**COLUMNS go up and down.**

DATA TABLE SHOWING THE AMOUNT OF DAYLIGHT ON THE FIRST DAY OF SUMMER AND WINTER			
YEAR: 2020	SUNRISE TIME IN THE MORNING	SUNSET TIME IN THE EVENING	HOURS + MINUTES OF SUNLIGHT
FIRST DAY OF SUMMER	5:43 AM	8:35 PM	14 HOURS + 52 MINUTES
FIRST DAY OF WINTER	7:22 AM	4:49 PM	9 HOURS + 28 MINUTES

Look across the first row of the data table. It shows the sunrise time, the sunset time, and the hours and minutes of daylight on the first day of Summer. Wow! There will be almost 15 hours of sunlight on June 20, 2020.

Now look across the second row of the data table. It shows the times for sunrise and sunset on the first day of Winter. The Sun will set before 5 o'clock in the afternoon!



# Collect Your Own Data

We looked at a Data Table that showed the time that the Sun comes up every morning, and the time that the Sun sets every evening. In the table below, you can keep track of the time that you get up every morning, and the time that you go to bed every evening - for an entire week. Every day you should write in the day, the date, the time you woke up, and the time you went to bed.

Here's a sample:

<b>WAKE-UP AND BEDTIME FOR ONE WEEK</b>			
<b>DAY OF THE WEEK</b>	<b>DATE</b>	<b>THE TIME I WOKE UP</b>	<b>THE TIME I WENT TO BED</b>
Wednesday	April 15, 2020	6:35 AM	9:45 PM

Keep track of your week. Follow the sample above and fill in your data below:

<b>WAKE-UP AND BEDTIME FOR ONE WEEK</b>			
<b>DAY OF THE WEEK</b>	<b>DATE</b>	<b>THE TIME I WOKE UP</b>	<b>THE TIME I WENT TO BED</b>
1.			
2.			
3.			
4.			
5.			
6.			
7.			