

Dot-Jot, Summary, and Evaluate: an electronic copy is provided at bleckinger.weebly.com

Key Idea(s)	operation of Dawn spacecraft
Title of article:	Cool Jobs; Exploring the Solar System
Publication or name of website:	Science News for Students
Author/editor:	Ilima Loomis
Publisher/company/organization:	Society for Science
Source type (web site, newspaper, textbook etc.):	website
Date of publication:	Dec 1 <sup>st</sup> 2015
Place of publication or URL:	https://student.soci...
Date Retrieved:	28 <sup>th</sup> May 2016
Page/Paragraph/Time Stamp:	staring a spacecraft: 2
Notes:	Asteroid belt is between Mars and Jupiter and contains rocks + debris.
Page/Paragraph/Time Stamp:	S + S : 2
Notes:	Studying the asteroids could give information about the formation of planets
Page/Paragraph/Time Stamp:	S + S : 3 + 4
Notes:	Dawn visited Vesta first which is dry + rocky, like the inner solar system. <del>The</del> Ceres is more icy like the moons on the outer planets.
Page/Paragraph/Time Stamp:	S + S : 4
Notes:	Plan for Dawn at Ceres: Orbit and take pictures + map the surface.
Page/Paragraph/Time Stamp:	S + S : 9
Notes:	Dawn arrived in March 2015.
Page/Paragraph/Time Stamp:	S + S : 9
Notes:	Scientists still need to steer Dawn so it can point at the <del>area</del> Ceres to take pictures, then face earth to send data.

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**Summary of Information in this Source:**

Dawn spacecraft is exploring the asteroid belt to find information about the early solar system and development of the planets. It spent time at Vesta, a rocky dwarf planet, then moved on to Ceres, an icy dwarf planet where it is currently mapping and imaging the surface.

**Evaluation of Source:**

Your evaluation of each source should answer the following questions and explain HOW or WHY you came to that conclusion.

Is the information the resource contains useful? Does it contain accurate scientific information? Is the information up to date? (Check the date it was developed or last updated) Is the information fact or opinion? Is the source biased to one particular point of view?

Only parts of the article were useful as I don't need to know about what Barber does, only Dawn. I believe the information is accurate and up to date as it was published in Dec 2015 by a branch of 'Science News' a reputable organization who report on current science events / discoveries for the general public. The article is trying to show how working with Dawn is cool and biased toward that, however I was only looking for facts about Dawn and its mission.

~~which~~ I have also found in the Wikipedia article: "Dawn" ~~and~~ and the video from space.com

[The author did not list sources so I checked facts and]

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Key Idea(s)	Kepler Mission
Title of article:	NASA's Kepler mission discovers Bigger older cousin to Earth
Publication or name of website:	YouTube
Author/editor:	Aves Research Center
Publisher/company/organization:	NASA's Aves Research Center
Source type (web site, newspaper, textbook etc.):	YouTube
Date of publication:	July 23 2015
Place of publication or URL:	www.you...
Date Retrieved:	8-7-16
Page/Paragraph/Time Stamp:	0:57
Notes:	Kepler was launched in 2009
Page/Paragraph/Time Stamp:	0:59 / Description
Notes:	Has identified 4696 planet candidates, 1030 have been confirmed as planets, 12 are near-Earth size AND in the habitable zone of their star
Page/Paragraph/Time Stamp:	1:13
Notes:	The mission has helped re-define our understanding of star systems in our galaxy
Page/Paragraph/Time Stamp:	1:21
Notes:	Researchers will continue to use Kepler to search for more planets.
Page/Paragraph/Time Stamp:	<del>0:11</del> 0:11
Notes:	one of those planets is around a G-type star like our sun, 60% larger than Earth, called "Kepler 452b"
Page/Paragraph/Time Stamp:	36
Notes:	Star is the same G-type as our sun. Kepler 452b only receives 10% more energy from its star than Earth does from our sun

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**Summary of Information in this Source:**

Kepler, launched in 2009, ~~was~~ is a planet finder and has found 4696 candidates, with 1030 confirmed. 12 of these planets are in the habitable zone around their star and are similar in size to earth. One of these is also orbiting a star at the same class as our sun. Kepler-452b is 60% larger than earth and only gets 10% more energy from its star than earth does from our sun.

**Evaluation of Source:**

Your evaluation of each source should answer the following questions and explain HOW or WHY you came to that conclusion.

Is the information the resource contains useful? Does it contain accurate scientific information? Is the information up to date? (Check the date it was developed or last updated) Is the information fact or opinion? Is the source biased to one particular point of view?

Some of the information is more specific than I am looking for but some is relevant and useful. The video is nearly a year old and the info about how many planets Kepler has found is out of date, but the info on Kepler-452b should still be relevant. The video was made by NASA's Ames Research Center so I trust the information to be factual. ~~and there is a bias~~ ~~There is a bias~~ Again as this is a NASA Ames project, there will likely be a bias at making the information more interesting and important.