Kubernetes  and  Docker Resources:

Katakoda

Hands on exercises using a VM on the web.  No need to install anything.  You go to the website, log in using an existing account like GitHub.  Then select a scenario.  It creates the VM with needed software.  It presents a scenario and list of commands to type. (You can just click the command and Katakoda types them for you.)   
   
You are in a real VM using a shell from the web.  You can experiment with your own commands and deployments,

<https://www.katacoda.com/courses/kubernetes>

Here are the current exercises (called scenarios).

* Launch a single cluster
* Launch a multi-node cluster using Kubeadm
* Deploy containers using kubectl
* Deploy containers using YAML
* Deploy guestbook web app example
* Networking introduction
* Create ingress routing
* Liveness and readieness healthchecks
* Getting started with CRI-O and kubead
* Running stateful services on Kubernetes
* Use Kubernetes to manage secrets and passwords
* Helm package manager.
* Plus many more

Installing Docker

You can get the current version of Docker for Windows 10 (not home) or Mac at

<https://www.docker.com/products/docker-desktop>

If you have Windows 7 or Windows 10 Home then you need the older version called Docker Toolbox

<https://docs.docker.com/toolbox/overview/>

To find the book "Kubernetes in Action" got to

<https://be.cognizant.com/sites/my-learning-studio/SitePage/489925/skillsoft-books-24x7>

This tells you how to access Books 24x7 There you can search for that book and others.

It is free but a little cumbersome.

Use Microsoft Azure without an Account

Video Explaining the service by Ben Hall (Founder of Katacoda)

<https://www.youtube.com/watch?v=vxx3To3m2j4>

That Katacode site link

<https://katacoda.com/courses/azure>