Old way:

```
src/Dependant.php
class Dependant {
    public function aFunction() {
        return 'Old way';
    }
}


index.php
require 'src/Dependant.php';
$dependant = new Dependant;
echo $dependant->aFunction();
```

Composer: PSR-4

Method 1	Method 2
1. Create composer.json with only {}	
2. run composer install vendor/autoload.php gets generated	

3. Fill composer.json
`{`
   `"autoload": {`
     `"psr-4": {`
       `"A\\B\\": "src/"`
     `}`
   `}`
`}`
	1. Create composer.json with the autoload part

4. Add namespace
 	
`namespace A\B;`
 	
`class Dependant`
`{`
   `public function aFunction()`
   `{`
     `return 'autoload psr4';`
   `}`
`}`
	2. Add namespace

5. Composer dump vendor/composer/autoload_psr4.php gets generated	3. Composer dump

6. Add require 'vendor/autoload.php';
 	
`$dependant = new A\B\Dependant;`
`echo $dependant->aFunction();`
	4. Add require 'vendor/autoload.php';

We can also use use A\B\Dependant; at the top (under require 'vendor/autoload.php';) So we can write new Dependant() instead of new A\B\Dependant() afterwards.	

Variations of the composer dump command: https://getcomposer.org/doc/03-cli.md#dump-autoload-dumpautoload-

File Based	Classmap Based

src/Afile.php
 	
``php
function aFunction () {
    return 'autoload file';
}
``
	src/Afile.php
	
	``php
	Class AClass {
	    public function aFunction () {
	        echo 'autoload folder';
	    }
	}
	``

index.php
 	
``php
require 'vendor/autoload.php';
echo aFunction();
``
	index.php
	
	``php
	require 'vendor/autoload.php';
	$aClass = new AClass;
	echo $aClass->aFunction();
	``

composer.json
 	
``json
{
    "autoload": {
        "files": ["src/AFile.php"]
    }
}
``
	composer.json
	
	``json
	{
	    "autoload": {
	        "classmap": ["src"]
	    }
	}
	``

PSR-0	PSR-4

src/A/B/Dependant.php
 	
``php
namespace A\B;
 	
class Dependant
{
    public function aFunction()
    {
        return 'autoload psr0';
    }
}
``
	src/Dependant.php
	
	``php
	namespace A\B;
	
	class Dependant
	{
	    public function aFunction()
	    {
	        return 'autoload psr4';
	    }
	}
	``

index.php
 	
``php
require 'vendor/autoload.php';
use A\B\Dependant;
 	
$dependant = new Dependant;
echo $dependant->aFunction();
``
	index.php
	
	``php
	require 'vendor/autoload.php';
	use A\B\Dependant;
	
	$dependant = new Dependant;
	echo $dependant->aFunction();
	``

composer.json
 	
``json
{
    "autoload": {
        "psr-0": {
            "A\\B\\Dependant": "src/"
        }
    }
}
``
	composer.json
	
	``json
	{
	    "autoload": {
	        "psr-4": {
	            "A\\B\\": "src/"
	        }
	    }
	}
	``

Then just run: composer dump and php index.php